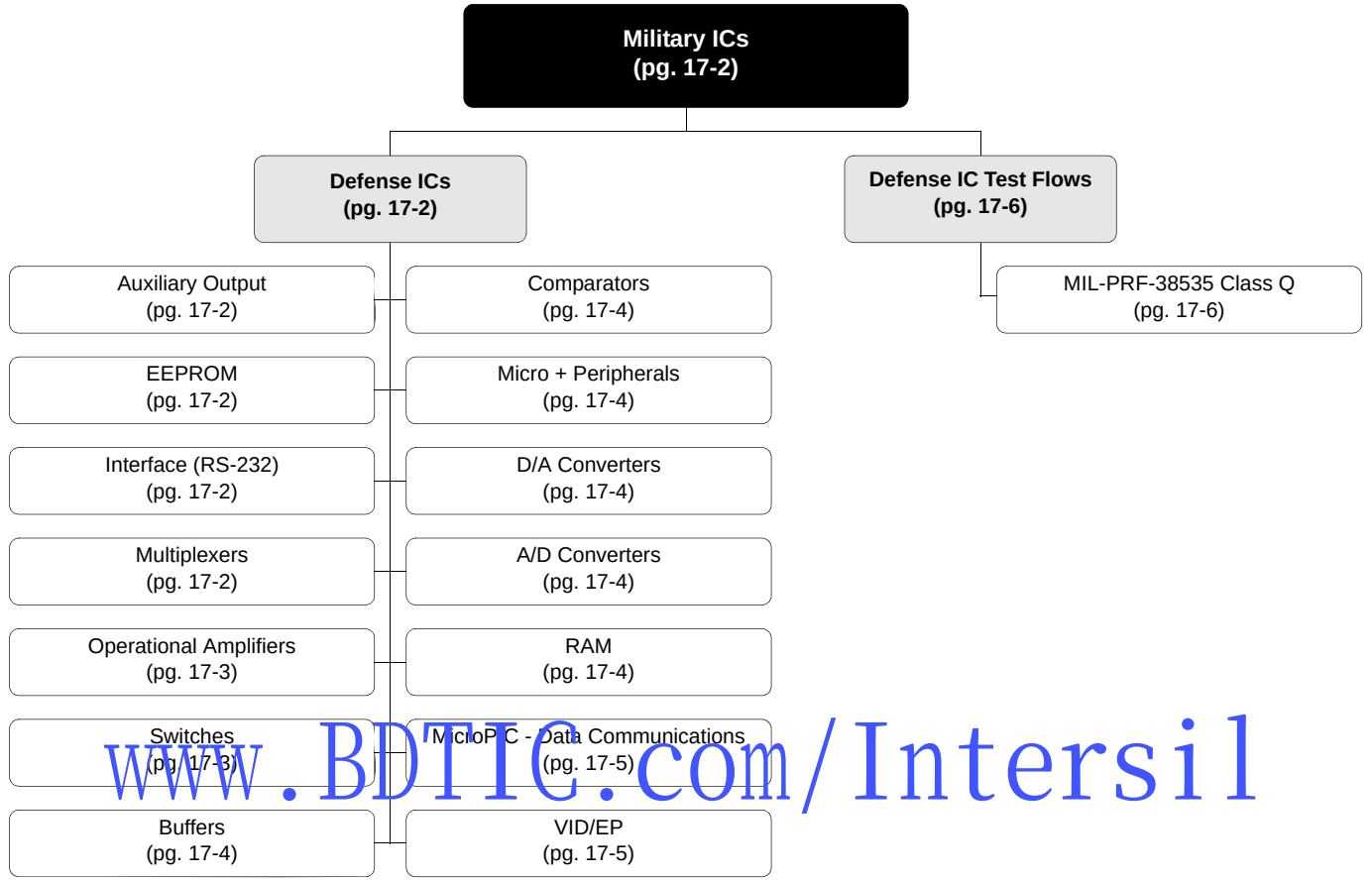

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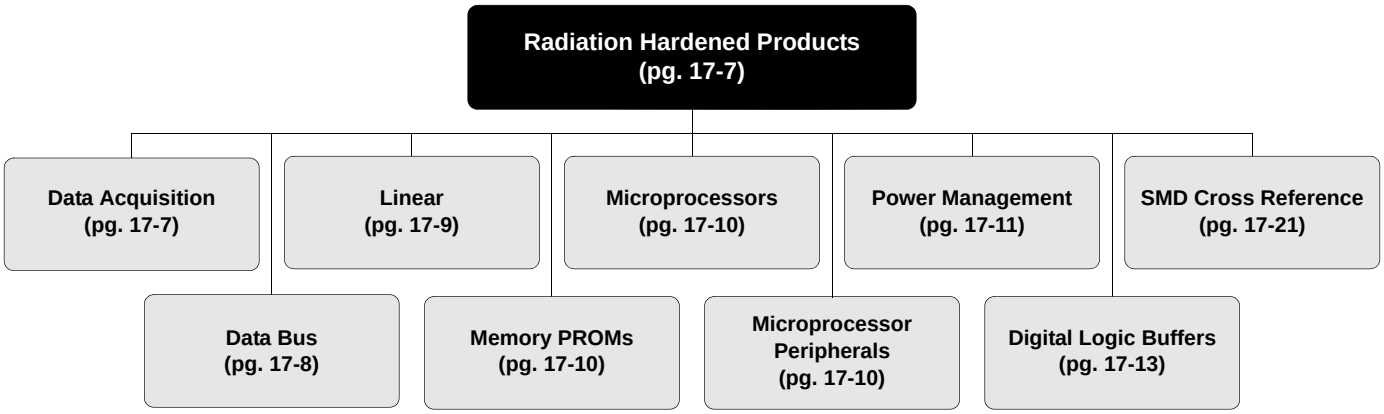

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Military Acronyms

Acronym	Description
DSCC	Defense Supply Center, Columbus
COTS	Commercial Off-The Shelf
SMD	Standard Microcircuit Drawing

Acronym	Description
QML	Qualified Manufacturers List
QPL	Qualified Products List
VID	Vendor Item Drawing

Military ICs

Base Part #	Device Description	iSim	Screening Level Availability		
			/883	JM38510/	5962
Defense ICs					
Auxiliary Output					
5962M95A0501QXA	SMD Version Auxiliary Output Chip				M95A0501QXA
5962M95A0501QYA	SMD Version Auxilary Output Chip				M95A0501QYA
EEPROM					
5962-3826701MXAC7200	128k EEPROM MIL-STD-883, 250ns				3826701MXAC7200
5962-3826705MXAC7200	128k x 8 EEPROM, CMOS, MIL-STD-883, 150ns				3826705MXAC7200
5962-3826707MXAC7200	128k x 8 EEPROM, MIL-STD-883C, 120ns				3826707MXAC7200
5962-8863401XAC6833	32k x 8 EEPROM, High Speed, MIL-STD-883, 120ns				8863401XAC6833
5962-8863401ZCC6833	32k x 8-Bit, CMOS EEPROM, High Speed, MILSTD-883, 120ns				8863401ZCC6833
5962-8863403XAC6833	32k x 8 EEPROM, High Speed CMOS, MIL-STD-883, 90ns				8863403XAC6833
5962-9086901MYAC7060	64k x 8 EEPROM CMOS, MIL-STD-883, 250ns				9086901MYAC7060
5962-9086902MYAC7068	64k x 8 EEPROM, CMOS, MIL-STD-883, 250ns				9086902MYAC7068
5962-9086903MXAC7060	64k x 8 EEPROM, CMOS, MIL-STD-883, 200ns				9086903MXA
5962-9086905MXAC7060	64k x 8, CMOS, EEPROM, MIL-STD-883, 150ns				9086905MXA
5962-9086906MXAC7068	64k x 8 EEPROM, CMOS, MIL-STD-883, 150ns				9086906MXAC7068
5962-9086906MYAC7068	64k x 8 EEPROM, CMOS, MIL-STD-883, 150ns				9086906MYA
5962-9086907MXAC7060	64k x 8 CMOS, EEPROM, MIL-STD-883, 120ns				9086907MXA
5962-9086908MYAC7068	64k x 8 EEPROM, CMOS, 120ns				9086908MYA
Interface (RS-232)					
5962-0620701Q3A	±15kV ESD Protected, +3.3V, 1µA, 250kbps, RS-232 Transmitter/Receiver				0620701Q3A
5962-0620702Q3A	±15kV ESD Protected, +3.3V, 1µA, 250kbps, RS-232 Transmitter/Receiver				0620702Q3A
5962-0620703Q2A	±15kV ESD Protected, +3.3V, 1µA, 250kbps, RS-232 Transmitter/Receiver				0620703Q2A
5962-0620704Q2A	±15kV ESD Protected, +3.3V, 1µA, 250kbps, RS-232 Transmitter/Receiver				0620704Q2A
5962-0620705Q3A	±15kV ESD Protected, +5.0V, 1µA, 250kbps, RS-232 Transmitter/Receiver				0620705Q3A
5962-0620706Q3A	±15kV ESD Protected, +5.0V, 1µA, 250kbps, RS-232 Transmitter/Receiver				0620706Q3A
5962-0620707Q2A	±15kV ESD Protected, +5.0V, 1µA, 250kbps, RS-232 Transmitter/Receiver				0620707Q2A
5962-0620708Q2A	±15kV ESD Protected, +5.0V, 1µA, 250kbps, RS-232 Transmitter/Receiver				0620708Q2A
Multiplexers					
HI-506	Single 16 and 8, Differential 8-Channel and 4-Channel CMOS Analog MUXs with Active Overvoltage Protection		/883		
HI-508	Single 16 and 8, Differential 8-Channel and 4-Channel CMOS Analog MUXs with Active Overvoltage Protection		/883		

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Military ICs (Continued)

Base Part #	Device Description	iSim	Screening Level Availability		
			/883	JM38510/	5962
HI-509	Analog Multiplexer, 4-Channel Differential, 883 Compliant		/883	19008	-8513109
HI-546	Single 16 and 8, Differential 8-Channel and 4-Channel CMOS Analog MUXs with Active Overvoltage Protection		/883	19002	-8513101
HI-547	Single 16 and 8, Differential 8-Channel and 4-Channel CMOS Analog MUXs with Active Overvoltage Protection		/883	19004	-8513102
HI-548	Single 16 and 8, Differential 8-Channel and 4-Channel CMOS Analog MUXs with Active Overvoltage Protection		/883	19005	7705202 #
HI-549	Single 16 and 8, Differential 8-Channel and 4-Channel CMOS Analog MUXs with Active Overvoltage Protection		/883	19006	-8513103
Operational Amplifiers					
HA-5190	150MHz, Fast Settling Operational Amplifiers				-8778401
HA-2539	600MHz, Very High Slew Rate Operational Amplifier	Y	/883		-8778701
HA-5104	Low Noise, High Performance, Quad Operational Amplifier	Y	/883		-8850201
HA-2544	50MHz, Video Operational Amplifier				-8950201
HA-5102	Dual and Quad, 8MHz and 60MHz, Low Noise Operational Amplifiers	Y			-8954801
HA-5020	100MHz Current Feedback Video Amplifier With Disable	Y			-8962001
HA-5002	Monolithic, Wideband, High Slew Rate, High Output Current Buffer	Y			-8963601
HA-2520	Microcircuit, Linear, High Speed, Operational Amplifier, Monolithic Silicon	Y	/883	12206	-8988002
HFA1130	850MHz, Output Limiting, Low Distortion Current Feedback Operational Amplifier				-8467701
HA-2400	40MHz, PRAM Four Channel Programmable Amplifiers		/883		-8778301
HA-5101	Low Noise, High Performance Operational Amplifier		/883		-8963501
HA-2510	High Slew Rate Operational Amplifier		/883	12205	
HA-2400	40MHz, PRAM Four Channel Programmable Amplifiers		/883		-8778301
HA-4741	Quad Operational Amplifier		/883		
HA-5127	8.5MHz, Ultra-Low Noise Precision Operational Amplifier		/883		
5962-0623501QPC	500MHz Rail-to-Rail Amplifier				0623501QPC
5962-0623502QPC	500MHz Rail-to-Rail Amplifier				0623502QPC
5962-0623601QPC	670MHz Low Noise Amplifiers				0623601QPC
5962-0623602QPC	670MHz Low Noise Amplifiers				0623602QPC
5962-0625501QXC	350MHz Fixed Gain Amplifiers with Enable				0625501QXC
5962-0625601QXC	1.4GHz Current Feedback Amplifiers with Enable				0625601QXC
5962-0625602QXC	1.4GHz Current Feedback Amplifiers with Enable				0625602QXC
5962-0721201QXC	Video Distribution Amplifier				0721201QXC
5962-0721301QXC	500MHz Rail-to-Rail Amplifiers				0721301QXC
5962-0721302QXC	500MHz Rail-to-Rail Amplifiers				0721302QXC
5962-0721303QYC	500MHz Rail-to-Rail Amplifiers				0721303QYC
Switches					
DG201A	Quad SPST CMOS Analog Switch		/883	12302	
DG411	Monolithic Quad SPST, CMOS Analog Switches		/883		9073101MEA
HI-200	Dual SPDT CMOS Analog Switch		/883		

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Military ICs (Continued)

Base Part #	Device Description	iSim	Screening Level Availability		
			/883	JM38510/	5962
HI-201	Dual/Quad SPST, CMOS Analog Switches		/883		
HI-201HS	High Speed, Quad SPST, CMOS Analog		/883		
HI-303	Dual SPDT CMOS Analog Switch		/883		
HI-5051	CMOS Analog Switches		/883		8100622 #
HI-5043	CMOS Analog Switches		/883		8100612 #
HI-5046A	CMOS Analog Switches		/883		8100617 #
Buffers					
HA-5002	Monolithic, Wideband, High Slew Rate, High Output Current Buffer		/883		-8963601
Comparators					
HA-4902	Precision Quad Comparators		/883		-8686001
Micro + Peripherals					
HD-6409	CMOS Manchester Encoder-Decoder		/883		
82C52	CMOS Serial Controller Interface		N		
82C37A	CMOS High Performance Programmable DMA Controller				-9054302
82C54	CMOS Programmable Interval Timer		N		8406501, 02 #
82C55A	CMOS Programmable Peripheral Interface		N		8406602 #
82C59A	CMOS Priority Interrupt Controller		N		-8501601, 02
82C84A	CMOS Clock Generator Driver				8406801 #
82C88	CMOS Bus Controller				8406901 #
82C89	CMOS Bus Arbiter		N		-9067801
MP82C55A	CMOS Programmable Peripheral Interface				
MQ82C55A	CMOS Programmable Peripheral Interface				
MS82C55A	CMOS Programmable Peripheral Interface				
80C286	High Performance Microprocessor with Memory Management and Protection		/883		-9067801
80C86	CMOS 16-Bit Microprocessor		/883		
80C88	CMOS 8-Bit/16-Bit Microprocessor		/883		
HD-4702	CMOS Programmable Bit Rate Generator		/883		
HD-6402	CMOS Universal Asynchronous Receiver Transmitter (UART)		/883		-9052502
D/A Converters					
HI-565A	High Speed, Monolithic D/A Converter with Reference		/883		
A/D Converters					
HI-674A	Complete, 12-Bit A/D Converters with Microprocessor Interface		/883		
RAM					
HM-6514	1024x4 CMOS RAM		/883		
HM-6514B	1024x4 CMOS RAM		/883		
HM-65162	2kx8 Asynchronous CMOS Static RAM		/883	29104 #	8403602, 06 #
HM-6551	256x4 CMOS RAM		/883		
HM-65642	8kx8 Asynchronous CMOS Static RAM		/883		

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Military ICs (Continued)

Base Part #	Device Description	iSim	Screening Level Availability		
			/883	JM38510/	5962
HM-6617	2kx8 CMOS PROM		/883		
HM-6642	512x8 CMOS PROM		/883		
MicroP/C - Data Communications					
HD-15530	CMOS Manchester Encoder-Decoder		N		7802901 #
HD-15531	CMOS Manchester Encoder-Decoder				-9054901
HS-3182	ARINC 429 Bus Interface Line Driver Circuit		N		-8687901
HS-3282	CMOS ARINC Bus Interface Circuit		N		-8688001
VID/EP					
Digital Potentiometers (DCPs) - Digitally Controlled Potentiometers (DCPs) - Non-Volatile - Single - 128 Tap					
ISL22316WMUEP	Single Digitally Controlled Potentiometer (XDCP™), Low Noise, Low Power I^2C® Bus, 128 Taps				V62/08603-01XB
ISL22326WMVEP	Dual Digitally Controlled Potentiometers (XDCP™) Low Noise, Low Power, I^2C® Bus, 128 Taps				V62/08604-01XE
ISL22346WMVEP	Quad Digitally Controlled Potentiometers (XDCP™), Low Noise, Low Power I^2C® Bus, 128 Taps				V62/08605-01XE
Linear Regulation - Low Power					
ISL9000AMRNCEP	Dual LDO with Low Noise, Very High PSRR and Low I_Q				V62/08609-01XB
PWM Controllers					
ISL6420BMAEP	Enhanced Product (EP) Advanced Single Synchronous Buck Pulse-Width Modulation (PWM) Controller				V62/07640-01XB
ISL65426MREP	Enhanced Product (EP) 6.0A Dual Synchronous Buck Regulator with Integrated MOSFETs				V62/07639-01XB
ISL8840AMBEP	Enhanced Product (EP) High Performance Industry Standard Single-Ended Current Mode PWM Controllers				V62/07621-01XB
ISL8841AMBEP	Enhanced Product (EP) High Performance Industry Standard Single-Ended Current Mode PWM Controllers				V62/07621-02XB
ISL8842AMBEP	Enhanced Product (EP) High Performance Industry Standard Single-Ended Current Mode PWM Controllers				V62/07621-03XB
ISL8843AMBEP	Enhanced Product (EP) High Performance Industry Standard Single-Ended Current Mode PWM Controllers				V62/07621-04XB
ISL8844AMBEP	Enhanced Product (EP) High Performance Industry Standard Single-Ended Current Mode PWM Controllers				V62/07621-05XB
ISL8845AMBEP	Enhanced Product (EP) High Performance Industry Standard Single-Ended Current Mode PWM Controllers				V62/07621-06XB
Switching Regulation - Single Output - Integrated FET DC/DC - Buck					
ISL8560MREP	DC/DC Power Switching Regulator				V62/08608-01XB

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Defense IC Test Flows

MIL-PRF-38535 Class Q

(Note 1)

Screening Test	Conditions	Method	Compliant	Non-Compliant			
			JAN, /883, SMD	-8, /8	/3	/HR	/3W
Internal Visual Inspection	Condition B	2010	X	X	X	X	X
Temperature Cycle	Condition C	1010	X	X	X	X	X
Constant Acceleration	Condition E, YI only	2001	X	X	X	X	X
Fine Leak Test	Condition B	1014	X	X	X	X	X
Gross Leak Test	Condition C	1014	X	X	X	X	X
Pre Burn-In Elec Test	Per Applicable Device Specification	-	X	X	X	X	X
Burn-In Test	160 Hrs at 125°C or equivalent	1015	X	X	X	X	X
Post BI Elec Test at 25ºC	Per Applicable Device Specification	-	X	X	X	X	X
Percent Defective	5%, Subgroup I	-	X	X	Note 2	Note 2	Note 2
Static Test at 125ºC	Per Applicable Device Specification	-	X	X	X	X	-
Static Test at -55ºC	Per Applicable Device Specification	-	X	X	X	X	-
Dynamic or Functional at 25ºC	Per Applicable Device Specification	-	X	X	X	X	X
Dynamic or Functional at 125ºC	Per Applicable Device Specification	-	X	X	X	X	-
Dynamic or Functional at -55ºC	Per Applicable Device Specification	-	X	X	X	X	-
Switching Test at 25ºC (Note 3)	Per Applicable Device Specification	-	X	X	X	X	X
QCI - Group A Inspection	-	-	X	X	X	Note 4	Note 5
QCI - Group B Inspection	-	-	X	Note 6	Note 6	Note 7	Note 6
QCI - Group C Inspection (Note 8)	-	-	X	Note 6	Note 6	Note 7	Note 6
QCI - Group D Inspection (Note 8)	-	-	X	Note 6	Note 6	Note 7	Note 6
External Visual Inspection	-	2009	X	X	X	X	X

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NOTES:

1. See the Intersil Quality Management Plan for the latest updates on screening flows. (Section 2.2.9) http://www.intersil.com
2. For all types except CA3XXX, PDA is 5%, one reburn-in allowed at 3%. For CA3XXX series device types, PDA is 10%, one reburn-in allowed at 7%. PDA is in accordance with MIL-PRF-38535.
3. Switching tests are not applicable for linear device types.
4. LTPD = 5 for Subgroup 17 and 9; LTPD = 7 for Subgroups 2 and 3; LTPD = 1- for Subgroups 8A and 8B.
5. For /3W, Group A performed at 25ºC only.
6. Group B, C, and D inspection performed only when specified on purchase order. Generic data is not maintained.
7. Generic data available.
8. Group A, B, C, and D performed per MIL-PRF-38535 Class Q and the Intersil Quality Management Plan.

Radiation Hardened Products Selection Chart

Device Description	Mkt. Number	SMD Number	Package	RH Level
Data Acquisition D/A Converters				
High Speed, Monolithic Digital-To-Analog Converter	HS0-565BRH-Q	5962R9675502V9A	Die (Military Visual)	100krad
High Speed, Monolithic Digital-To-Analog Converter	HS1-565BRH-Q	5962R9675502VJC	24 Ld SBDIP	100krad
High Speed, Monolithic Digital-To-Analog Converter	HS9-565BRH-Q	5962R9675502VXC	24 Ld FlatPack	100krad
Data Acquisition Multiplexers				
Single 16/Differential 8 Channel CMOS Analog Multiplexers with Active Overvoltage Protection	HS0-0546RH-Q	5962D9569301V9A	Die (Military Visual)	10krad
Single 16/Differential 8 Channel CMOS Analog Multiplexers with Active Overvoltage Protection	HS1B-0546RH-Q	5962D9569301VXC	28 Ld SBDIP	10krad
Single 16/Differential 8 Channel CMOS Analog Multiplexers with Active Overvoltage Protection	HS0-0547RH-Q	5962D9569302V9A	Die (Military Visual)	10krad
Single 16/Differential 8 Channel CMOS Analog Multiplexers with Active Overvoltage Protection	HS1B-0547RH-Q	5962D9569302VXC	28 Ld SBDIP	10krad
Single 8/Differential 4 Channel CMOS Analog Multiplexers with Active Overvoltage Protection	HS1B-0548RH-Q	5962D9569401VEC	16 Ld SBDIP	10krad
16 Channel CMOS Analog Multiplexer with High-Z Analog Input Protection	HS0-1840ARH-Q	5962F9563002V9A	Die (Military Visual)	300krad
16 Channel CMOS Analog Multiplexer with High-Z Analog Input Protection	HS1-1840ARH-8	5962F9563002QXC	28 Ld SBDIP	300krad
16 Channel CMOS Analog Multiplexer with High-Z Analog Input Protection	HS1-1840ARH-Q	5962F9563002VXC	28 Ld SBDIP	300krad
16 Channel CMOS Analog Multiplexer with High-Z Analog Input Protection	HS9-1840ARH-8	5962F9563002QYC	28 Ld FlatPack	300krad
16 Channel CMOS Analog Multiplexer with High-Z Analog Input Protection	HS9-1840ARH-Q	5962F9563002VYC	28 Ld FlatPack	300krad
8 Channel CMOS Analog Multiplexer with Overvoltage Protection	HS0-508BRH-Q	5962F9674202V9A	Die (Military Visual)	300krad
8 Channel CMOS Analog Multiplexer with Overvoltage Protection	HS1-508BRH-8	5962F9674202QEC	16 Ld SBDIP	300krad
8 Channel CMOS Analog Multiplexer with Overvoltage Protection	HS1-508BRH-Q	5962F9674202VEC	16 Ld SBDIP	300krad
8 Channel CMOS Analog Multiplexer with Overvoltage Protection	HS9-508BRH-8	5962F9674202QXC	16 Ld FlatPack	300krad
8 Channel CMOS Analog Multiplexer with Overvoltage Protection	HS9-508BRH-Q	5962F9674202VXC	16 Ld FlatPack	300krad
Data Acquisition Switches				
Single Event Hardened Quad SPST, CMOS Analog Switch	HS0-201HSRH-Q	5962F9961801V9A	Die (Military Visual)	300krad
Single Event Hardened Quad SPST, CMOS Analog Switch	HS1-201HSRH-8	5962F9961801QEC	16 Ld SBDIP	300krad
Single Event Hardened Quad SPST, CMOS Analog Switch	HS1-201HSRH-Q	5962F9961801VEC	16 Ld SBDIP	300krad
Single Event Hardened Quad SPST, CMOS Analog Switch	HS9-201HSRH-8	5962F9961801QXC	16 Ld FlatPack	300krad
Single Event Hardened Quad SPST, CMOS Analog Switch	HS9-201HSRH-Q	5962F9961801VXC	16 Ld FlatPack	300krad
CMOS Dual DPST Analog Switch	HS0-302RH-Q	5962R9581201V9A	Die (Military Visual)	100krad
CMOS Dual DPST Analog Switch	HS1-302RH-8	5962R9581201QCC	14 Ld SBDIP	100krad
CMOS Dual DPST Analog Switch	HS1-302RH-Q	5962R9581201VCC	14 Ld SBDIP	100krad
CMOS Dual DPST Analog Switch	HS9-302RH-8	5962R9581201QXC	14 Ld FlatPack	100krad
CMOS Dual DPST Analog Switch	HS9-302RH-Q	5962R9581201VXC	14 Ld FlatPack	100krad
CMOS Dual SPDT Analog Switch	HS9-303ARH-8	5962F9581304QXC	14 Ld FlatPack	300krad
CMOS Dual SPDT Analog Switch	HS9-303ARH-Q	5962F9581304VXC	14 Ld FlatPack	300krad

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Radiation Hardened Products Selection Chart (Continued)

Device Description	Mkt. Number	SMD Number	Package	RH Level
CMOS Dual SPDT Analog Switch	HS0-303ARH-Q	5962F9581304V9A	Die (Military Visual)	300krad
CMOS Dual SPDT Analog Switch	HS1-303ARH-8	5962F9581304QCC	14 Ld SBDIP	300krad
CMOS Dual SPDT Analog Switch	HS1-303ARH-Q	5962F9581304VCC	14 Ld SBDIP	300krad
CMOS Dual SPDT Analog Switch	HS1-303RH-8	5962F9581304QCC	14 Ld SBDIP	300krad
CMOS Analog Switch	HS0-307RH-Q	5962R9581302V9A	Die (Military Visual)	100krad
CMOS Analog Switch	HS9-307RH-Q	5962R9581302VXC	14 Ld FlatPack	100krad
CMOS Dual SPDT Analog Switch	HS0-390RH-Q	5962R9581303V9A	Die (Military Visual)	100krad
CMOS Dual SPDT Analog Switch	HS1-390RH-Q	5962R9581303VEC	14 Ld SBDIP	100krad
CMOS Dual SPDT Analog Switch	HS9-390RH-8	5962R9581303QYC	14 Ld FlatPack	100krad
CMOS Dual SPDT Analog Switch	HS9-390RH-Q	5962R9581303VYC	14 Ld FlatPack	100krad
Data Bus Line Drivers				
Quad Differential Line Driver	HS0-26C31RH-Q	5962F9666301V9A	Die (Military Visual)	300krad
Quad Differential Line Driver	HS1-26C31RH-8	5962F9666301QEC	16 Ld SBDIP	300krad
Quad Differential Line Driver	HS1-26C31RH-Q	5962F9666301VEC	16 Ld SBDIP	300krad
Quad Differential Line Driver	HS9-26C31RH-8	5962F9666301QXC	16 Ld FlatPack	300krad
Quad Differential Line Driver	HS9-26C31RH-Q	5962F9666301VXC	16 Ld FlatPack	300krad
3.3V Quad Differential Line Driver	HS0-26CLV31RH-Q	5962F9666302V9A	Die (Military Visual)	300krad
3.3V Quad Differential Line Driver	HS1-26CLV31RH-8	5962F966302QEC	16 Ld SBDIP	300krad
3.3V Quad Differential Line Driver	HS1-26CLV31RH-Q	5962F9666302VEC	16 Ld SBDIP	300krad
3.3V Quad Differential Line Driver	HS9-26CLV31RH-8	5962F9666302QXC	16 Ld FlatPack	300krad
3.3V Quad Differential Line Driver	HS9-26CLV31RH-Q	5962F9666302VXC	16 Ld FlatPack	300krad
Quad Differential Line Driver	HS0-26CT31RH-Q	5962F9563201V9A	Die (Military Visual)	300krad
Quad Differential Line Driver	HS1-26CT31RH-8	5962F9563201QEC	16 Ld SBDIP	300krad
Quad Differential Line Driver	HS1-26CT31RH-Q	5962F9563201VEC	16 Ld SBDIP	300krad
Quad Differential Line Driver	HS9-26CT31RH-8	5962F9563201QXC	16 Ld FlatPack	300krad
Quad Differential Line Driver	HS9-26CT31RH-Q	5962F9563201VXC	16 Ld FlatPack	300krad
Data Bus Line Receivers				
Triple Line Transmitter, Triple Line Receiver, Triple Party-line Receiver	HS1-246RH-8	5962R9672301QCC	14 Ld SBDIP	200krad
Triple Line Transmitter, Triple Line Receiver, Triple Party-line Receiver	HS1-246RH-Q	5962R9672301VCC	14 Ld SBDIP	200krad
Triple Line Transmitter, Triple Line Receiver, Triple Party-line Receiver	HS9-246RH-8	5962R9672301QXC	14 Ld FlatPack	200krad
Triple Line Transmitter, Triple Line Receiver, Triple Party-line Receiver	HS9-246RH-Q	5962R9672301VXC	14 Ld FlatPack	200krad
Triple Line Transmitter, Triple Line Receiver, Triple Party-line Receiver	HS1-248RH-8	5962R9672302QCC	14 Ld SBDIP	200krad
Triple Line Transmitter, Triple Line Receiver, Triple Party-line Receiver	HS1-248RH-Q	5962R9672302VCC	14 Ld SBDIP	200krad
Triple Line Transmitter, Triple Line Receiver, Triple Party-line Receiver	HS9-248RH-8	5962R9672302QXC	14 Ld FlatPack	200krad
Triple Line Transmitter, Triple Line Receiver, Triple Party-line Receiver	HS9-248RH-Q	5962R9672302VXC	14 Ld FlatPack	200krad
Quad Differential Line Receiver	HS0-26C32RH-Q	5962F9568901V9A	Die (Military Visual)	300krad
Quad Differential Line Receiver	HS1-26C32RH-8	5962F9568901QEC	16 Ld SBDIP	300krad
Quad Differential Line Receiver	HS1-26C32RH-Q	5962F9568901VEC	16 Ld SBDIP	300krad
Quad Differential Line Receiver	HS9-26C32RH-8	5962F9568901QXC	16 Ld FlatPack	300krad

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Radiation Hardened Products Selection Chart (Continued)

Device Description	Mkt. Number	SMD Number	Package	RH Level
Quad Differential Line Receiver	HS9-26C32RH-Q	5962F9568901VXC	16 Ld FlatPack	300krad
3.3V Quad Differential Line Receiver	HS0-26CLV32RH-Q	5962F9568902V9A	Die (Military Visual)	300krad
3.3V Quad Differential Line Receiver	HS1-26CLV32RH-8	5962F9568902QEC	16 Ld SBDIP	300krad
3.3V Quad Differential Line Receiver	HS1-26CLV32RH-Q	5962F9568902VEC	16 Ld SBDIP	300krad
3.3V Quad Differential Line Receiver	HS9-26CLV32RH-8	5962F9568902QXC	16 Ld FlatPack	300krad
3.3V Quad Differential Line Receiver	HS9-26CLV32RH-Q	5962F9568902VXC	16 Ld FlatPack	300krad
Quad, 5.0V Differential Line Rcvr, TTL Enable	HS0-26CT32RH-Q	5962F9563101V9A	Die (Military Visual)	300krad
Quad, 5.0V Differential Line Rcvr, TTL Enable	HS1-26CT32RH-8	5962F9563101QEC	16 Ld SBDIP	300krad
Quad, 5.0V Differential Line Rcvr, TTL Enable	HS1-26CT32RH-Q	5962F9563101VEC	16 Ld SBDIP	300krad
Quad, 5.0V Differential Line Rcvr, TTL Enable	HS9-26CT32RH-8	5962F9563101QXC	16 Ld FlatPack	300krad
Quad, 5.0V Differential Line Rcvr, TTL Enable	HS9-26CT32RH-Q	5962F9563101VXC	16 Ld FlatPack	300krad
Linear Comparators				
Single Event Hardened Quad Voltage Comparator	IS0-139ASRH-Q	5962F0151001V9A	Die (Military Visual)	300krad
Single Event Hardened Quad Voltage Comparator	IS9-139ASRH-8	5962F0151001QXC	20 Ld FlatPack	300krad
Single Event Hardened Quad Voltage Comparator	IS9-139ASRH-Q	5962F0151001VXC	20 Ld FlatPack	300krad
Quad Voltage Comparator	HS0-139RH-Q	5962F9861301V9A	Die (Military Visual)	300krad
Quad Voltage Comparator	HS1-139RH-8	5962F9861301QCC	14 Ld SBDIP	300krad
Quad Voltage Comparator	HS1-139RH-Q	5962F9861301VCC	14 Ld SBDIP	300krad
Quad Voltage Comparator	HS9-139RH-8	5962F9861301QXC	14 Ld FlatPack	300krad
Quad Voltage Comparator	HS9-139RH-Q	5962F9861301VXC	14 Ld FlatPack	300krad
Dual Hign Speed Voltage Comparator	ISL7119RHQF	5962F0721501QXC	10 Ld FlatPack	300krad
Dual Hign Speed Voltage Comparator	ISL7119RHVF	5962F0721501VXC	10 Ld FlatPack	300krad
Dual Hign Speed Voltage Comparator	ISL7119RHVX	5962F0721501V9A	Die (Military Visual)	300krad
Linear Operational Amplifiers				
Ultra High Speed Current Feedback Amplifier	HS0-1100RH-Q	5962F9467602V9A	Die (Military Visual)	300krad
Ultra High Speed Current Feedback Amplifier	HS7B-1100RH-Q	5962F9467602VPC	8 Ld SBDIP	300krad
Current Feedback Amp W/VIO Adjust	HS0-1135RH-Q	5962F9676701V9A	Die (Military Visual)	300krad
Current Feedback Amp W/VIO Adjust	HS7B-1135RH-Q	5962F9676701VPC	8 Ld SBDIP	300krad
High Speed, Low Power Output Limiting, Closed-Loop-Buffer Amplifier	HS7B-1115RH-Q	5962F9678501VPC	8 Ld SBDIP	300krad
Video Op-Amp With Output Disable	HS0-1145RH-Q	5962F9683001V9A	Die (Military Visual)	300krad
Video Op-Amp With Output Disable	HS7B-1145RH-Q	5962F9683001VPC	8 Ld SBDIP	300krad
Dual, Wideband, High Input Impedance Uncompensated Operational Amplifier	HS0-22620RH-Q	5962F9751201V9A	Die (Military Visual)	300krad
Dual, Wideband, High Input Impedance Uncompensated Operational Amplifier	HS9-22620RH-Q	5962F9751201VXC	18 Ld FlatPack	300krad
Programmable Low Power Op Amp	HS0-3530ARH-Q	5962F9568701V9A	Die (Military Visual)	300krad
Programmable Low Power Op Amp	HS2-3530ARH-8	5962F9568701QGA	8 Ld Can	300krad
Programmable Low Power Op Amp	HS2-3530ARH-Q	5962F9568701VGA	8 Ld Can	300krad
Programmable Low Power Op Amp	HS9-3530ARH-Q	5962F9568701VXC	10 Ld FlatPack	300krad
Low Noise Quad Operational Amplifier	HS0-5104ARH-Q	5962R9569001V9A	Die (Military Visual)	100krad

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Radiation Hardened Products Selection Chart (Continued)

Device Description	Mkt. Number	SMD Number	Package	RH Level
Low Noise Quad Operational Amplifier	HS1-5104ARH-Q	5962R9569001VCC	14 Ld SBDIP	100krad
Low Noise Quad Operational Amplifier	HS9-5104ARH-Q	5962R9569001VXC	14 Ld FlatPack	100krad
Single Event Hardened Single Supply, Quad Operational Amplifier	ISL7124SRHQF	5962F0254201QXC	14 Ld FlatPack	300krad
Single Event Hardened Single Supply, Quad Operational Amplifier	ISL7124SRHVF	5962F0254201VXC	14 Ld FlatPack	300krad
Single Event Hardened Single Supply, Quad Operational Amplifier	ISL7124SRHVX	5962F0254201V9A	Die (Military Visual)	300krad
Very Low Noise Quad Operational Amplifier	HS0-OP470ARH-Q	5962R9853301V9A	Die (Military Visual)	100krad
Very Low Noise Quad Operational Amplifier	HS9-OP470ARH-Q	5962R9853301VXC	14 Ld FlatPack	100krad
Linear Sample and Hold				
Fast Sample and Hold	HS1B-2420RH-Q	5962R9566901VCC	14 Ld SBDIP	100krad
Linear Special Function				
8 Channel Source Driver	IS0-2981RH-Q	5962R0052001V9A	Die (Military Visual)	100krad
8 Channel Source Driver	IS1-2981RH-8	5962R0052001QVC	18 Ld SBDIP	100krad
8 Channel Source Driver	IS1-2981RH-Q	5962R0052001VVC	18 Ld SBDIP	100krad
Linear Transistor Arrays				
Ultra High Frequency NPN-PNP Transistor Array	ISL73096RHVF	5962F0721801VXC	16 Ld FlatPack	300krad
Ultra High Frequency NPN-PNP Transistor Array	ISL73096RHVX	5962F0721801V9A	Die (Military Visual)	300krad
Ultra High Frequency NPN-PNP Transistor Array	ISL73127RHVF	5962F0721802VXC	16 Ld SBDIP	300krad
Ultra High Frequency NPN-PNP Transistor Array	ISL73127RHVX	5962F0721802V9A	Die (Military Visual)	300krad
Ultra High Frequency NPN-PNP Transistor Array	ISL73128RHVF	5962F0721803VXC	16 Ld FlatPack	300krad
Ultra High Frequency NPN-PNP Transistor Array	ISL73128RHVX	5962F0721803V9A	Die (Military Visual)	300krad
Ultra High Frequency NPN Transistor Array	HS0-6254RH-Q	5962F9764101V9A	Die (Military Visual)	300krad
Ultra High Frequency NPN Transistor Array	HS9-6254RH-Q	5962F9764101VXC	16 Ld FlatPack	300krad
Memory PROMs				
8K x 8 CMOS PROM	HS1-6664RH-8	5962F9562601QXC	28 Ld SBDIP	300krad
8K x 8 CMOS PROM	HS1-6664RH-Q	5962F9562601VXC	28 Ld SBDIP	300krad
8K x 8 CMOS PROM	HS9-6664RH-8	5962F9562601QYC	28 Ld FlatPack	300krad
8K x 8 CMOS PROM	HS9-6664RH-Q	5962F9562601VYC	28 Ld FlatPack	300krad
Microprocessors				
16-Bit CMOS Microprocessor	HS1-80C86RH-8	5962R9572201QQC	40 Ld SBDIP	100krad
16-Bit CMOS Microprocessor	HS1-80C86RH-Q	5962R9572201VQC	40 Ld SBDIP	100krad
16-Bit CMOS Microprocessor	HS9-80C86RH-8	5962R9572201QXC	42 Ld FlatPack	100krad
16-Bit CMOS Microprocessor	HS9-80C86RH-Q	5962R9572201VXC	42 Ld FlatPack	100krad
Microprocessor Peripherals				
CMOS Static Clock Controller/Generator	HS9-82C85RH-Q	5962R9582001VXC	24 Ld FlatPack	100krad
CMOS Static Clock Controller/Generator	HS0-82C85RH-Q	5962R9582001V9A	Die (Military Visual)	100krad
CMOS Static Clock Controller/Generator	HS1-82C85RH-8	5962R9582001QJC	24 Ld SBDIP	100krad
CMOS Static Clock Controller/Generator	HS1-82C85RH-Q	5962R9582001VJC	24 Ld SBDIP	100krad
CMOS Static Clock Controller/Generator	HS9-82C85RH-8	5962R9582001QXC	24 Ld FlatPack	100krad
CMOS Programmable Peripheral Interface	HS1-82C55ARH-8	5962R9581901QQC	40 Ld SBDIP	100krad

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Radiation Hardened Products Selection Chart (Continued)

Device Description	Mkt. Number	SMD Number	Package	RH Level
CMOS Programmable Peripheral Interface	HS1-82C55ARH-Q	5962R9581901VQC	40 Ld SBDIP	100krad
CMOS Programmable Interval Timer	HS1-82C54RH-8	5962R9571301QJC	24 Ld SBDIP	100krad
CMOS Programmable Interval Timer	HS1-82C54RH-Q	5962R9571301VJC	24 Ld SBDIP	100krad
CMOS Programmable Interval Timer	HS9-82C54RH-8	5962R9571301QXC	24 Ld FlatPack	100krad
CMOS Programmable Interval Timer	HS9-82C54RH-Q	5962R9571301VXC	24 Ld FlatPack	100krad
Power Management MOSFET Drivers				
Complementary Switch FET Driver	IS0-1715ARH-Q	5962F0052101V9A	Die (Military Visual)	300krad
Complementary Switch FET Driver	IS9-1715ARH-8	5962F0052101QXC	16 Ld FlatPack	300krad
Complementary Switch FET Driver	IS9-1715ARH-Q	5962F0052101VXC	16 Ld FlatPack	300krad
High Frequency Half Bridge Driver	IS0-2100ARH-Q	5962F9953602V9A	Die (Military Visual)	300krad
High Frequency Half Bridge Driver	IS9-2100ARH-8	5962F9953602QXC	16 Ld FlatPack	300krad
High Frequency Half Bridge Driver	IS9-2100ARH-Q	5962F9953602VXC	16 Ld FlatPack	300krad
Full Bridge N-Channel FET Driver	HS0-4080ARH-Q	5962F9961701V9A	Die (Military Visual)	300krad
Full Bridge N-Channel FET Driver	HS9-4080ARH-8	5962F9961701QSC	20 Ld FlatPack	300krad
Full Bridge N-Channel FET Driver	HS9-4080ARH-Q	5962F9961701VSC	20 Ld FlatPack	300krad
Dual, Inverting Power MOSFET Drivers	HS9-4423BRH-8	5962F9951102QXC	16 Ld FlatPack	300krad
Dual, Inverting Power MOSFET Drivers	HS9-4423BRH-Q	5962F9951102VXC	16 Ld FlatPack	300krad
Dual, Inverting Power MOSFET Drivers	HS0-4423RH-Q	5962F9951102V9A	Die (Military Visual)	300krad
Dual, Inverting Power MOSFET Drivers	HS9-4423RH-8	5962F9951101QXC	16 Ld FlatPack	300krad
Dual, Inverting Power MOSFET Drivers	HS9-4423RH-Q	5962F9951101VXC	16 Ld FlatPack	300krad
Dual, Non-Inverting Power MOSFET Drivers	HS0-4424BRH-Q	5962F9956002V9A	Die (Military Visual)	300krad
Dual, Non-Inverting Power MOSFET Drivers	HS9-4424BRH-8	5962F9956002QXC	16 Ld FlatPack	300krad
Dual, Non-Inverting Power MOSFET Drivers	HS9-4424BRH-Q	5962F9956002VXC	16 Ld FlatPack	300krad
Dual, Non-Inverting Power MOSFET Drivers	HS0-4424RH-Q	5962F9956001V9A	Die (Military Visual)	300krad
Dual, Non-Inverting Power MOSFET Drivers	HS9-4424RH-8	5962F9956001QXC	16 Ld FlatPack	300krad
Dual, Non-Inverting Power MOSFET Drivers	HS9-4424RH-Q	5962F9956001VXC	16 Ld FlatPack	300krad
9A, Non-Inverting Power MOSFET Drivers	ISL74422ARHQF	5962F0152101QXC	16 Ld FlatPack	300krad
9A, Non-Inverting Power MOSFET Drivers	ISL74422ARHVF	5962F0152101VXC	16 Ld FlatPack	300krad
9A, Non-Inverting Power MOSFET Drivers	ISL74422ARHVX	5962F0152101V9A	Die (Military Visual)	300krad
9A, Non-Inverting Power MOSFET Drivers	ISL74422BRHQF	5962F0324801QXC	16 Ld FlatPack	300krad
9A, Non-Inverting Power MOSFET Drivers	ISL74422BRHVF	5962F0324801VXC	16 Ld FlatPack	300krad
9A, Non-Inverting Power MOSFET Drivers	ISL74422BRHVX	5962F0324801V9A	Die (Military Visual)	300krad
Power Management Special Function				
Power-Up/Down Microprocessor Reset Circuit	IS0-705RH-Q	5962R0053801V9A	Die (Military Visual)	100krad
Power-Up/Down Microprocessor Reset Circuit	IS9-705RH-8	5962R0053801QXC	8 Ld FlatPack	100krad
Power-Up/Down Microprocessor Reset Circuit	IS9-705RH-Q	5962R0053801VXC	8 Ld FlatPack	100krad
Power Management Voltage Reference				
2.5V Reference	IS0-1009RH-Q	5962F0052301V9A	Die (Military Visual)	300krad
2.5V Reference	IS2-1009RH-8	5962F0052301QXC	3 Ld Can	300krad

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Radiation Hardened Products Selection Chart (Continued)

Device Description	Mkt. Number	SMD Number	Package	RH Level
2.5V Reference	IS2-1009RH-Q	5962F0052301VXC	3 Ld Can	300krad
2.5V Reference	ISYE-1009RH-8	5962F0052301QYC	3 Ld LCC	300krad
2.5V Reference	ISYE-1009RH-Q	5962F0052301VYC	3 Ld LCC	300krad
Power Management Voltage Regulator				
Adjustable Positive Voltage Regulator	HS0-117RH-Q	5962F9954701V9A	Die (Military Visual)	300krad
Adjustable Positive Voltage Regulator	HS2-117RH-8	5962F9954701QUC	3 Ld Can	300krad
Adjustable Positive Voltage Regulator	HS2-117RH-Q	5962F9954701VUC	3 Ld Can	300krad
Adjustable Positive Voltage Regulator	HS9S-117RH-8	5962F9954701QXC	3 Ld Can	300krad
Adjustable Positive Voltage Regulator	HS9S-117RH-Q	5962F9954701VXC	3 Ld Can	300krad
Adjustable Positive Voltage Regulator	HSYE-117RH-8	5962F9954701QYC	3 Ld LCC	300krad
Adjustable Positive Voltage Regulator	HSYE-117RH-Q	5962F9954701VYC	3 Ld LCC	300krad
Adjustable Negative Voltage Regulator	ISL7137RHQD	Not Assigned	3 Ld LCC	300krad
Adjustable Negative Voltage Regulator	ISL7137RHQF	Not Assigned	3 Ld Can	300krad
Adjustable Negative Voltage Regulator	ISL7137RHVD	Not Assigned	3 Ld LCC	300krad
Adjustable Negative Voltage Regulator	ISL7137RHVF	Not Assigned	3 Ld Can	300krad
Adjustable Negative Voltage Regulator	ISL7137RHVX	Not Assigned	Die (Military Visual)	300krad
Single Event Hardened High-Speed, Dual Output PWM	ISL71823ASRHQD	5962F0251102QCC	16 Ld SBDIP	300krad
Single Event Hardened High-Speed, Dual Output PWM	ISL71823ASRHQF	5962F0251102QXC	16 Ld FlatPack	300krad
Single Event Hardened High-Speed, Dual Output PWM	ISL71823ASRHVD	5962F0251102VCC	16 Ld SBDIP	300krad
Single Event Hardened High-Speed, Dual Output PWM	ISL71823ASRHVF	5962F0251102VXC	16 Ld FlatPack	300krad
Single Event Hardened High-Speed, Dual Output PWM	ISL71823ASRHVX	5962F0251102V9A	Die (Military Visual)	300krad
High-Speed, Dual Output PWM	HS0-1825ARH-Q	5962F9955801V9A	Die (Military Visual)	300krad
High-Speed, Dual Output PWM	HS1-1825ARH-8	5962F9955801QEC	16 Ld SBDIP	300krad
High-Speed, Dual Output PWM	HS1-1825ARH-Q	5962F9955801VEC	16 Ld SBDIP	300krad
High-Speed, Dual Output PWM	HS9-1825ARH-8	5962F9955801QXC	16 Ld FlatPack	300krad
High-Speed, Dual Output PWM	HS9-1825ARH-Q	5962F9955801VXC	16 Ld FlatPack	300krad
Single Event Hardened High-Speed, Dual Output PWM	IS0-1825ASRH-Q	5962F0251101V9A	Die (Military Visual)	300krad
Single Event Hardened High-Speed, Dual Output PWM	IS1-1825ASRH-8	5962F0251101QEC	16 Ld SBDIP	300krad
Single Event Hardened High-Speed, Dual Output PWM	IS1-1825ASRH-Q	5962F0251101VEC	16 Ld SBDIP	300krad
Single Event Hardened High-Speed, Dual Output PWM	IS9-1825ASRH-8	5962F0251101QXC	20 Ld FlatPack	300krad
Single Event Hardened High-Speed, Dual Output PWM	IS9-1825ASRH-Q	5962F0251101VXC	20 Ld FlatPack	300krad
Single Event Hardened High Speed, Current Mode PWM	IS0-1845ASRH-Q	5962F0150901V9A	Die (Military Visual)	300krad
Single Event Hardened High Speed, Current Mode PWM	IS7-1845ASRH-8	5962F0150901QPC	8 Ld SBDIP	300krad
Single Event Hardened High Speed, Current Mode PWM	IS7-1845ASRH-Q	5962F0150901VPC	8 Ld SBDIP	300krad
Single Event Hardened High Speed, Current Mode PWM	IS9-1845ASRH-8	5962F0150901QXC	18 Ld FlatPack	300krad
Single Event Hardened High Speed, Current Mode PWM	IS9-1845ASRH-Q	5962F0150901VXC	18 Ld FlatPack	300krad
Negative Low Dropout Adjustable Voltage Regulator	ISL72991RHQF	5962F0250301QXC	28 Ld FlatPack	300krad
Negative Low Dropout Adjustable Voltage Regulator	ISL72991RHVF	5962F0250301VXC	28 Ld FlatPack	300krad
Negative Low Dropout Adjustable Voltage Regulator	ISL72991RHVX	5962F0250301V9A	Die (Military Visual)	300krad

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Radiation Hardened Logic Selection Chart

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Device Description	Mkt. Number	SMD Number	Package	RH Level
Digital Logic Buffers				
Non-Inverting Octal Buffer/Line Driver, Three-State	ACS244DMSR-02	5962F9854101VXC	20 Ld SBDIP	300krad
Non-Inverting Octal Buffer/Line Driver, Three-State	ACS244HMSR-02	5962F9854101V9A	Die (Military Visual)	300krad
Non-Inverting Octal Buffer/Line Driver, Three-State	ACS244KMSR-02	5962F9854101VRC	20 Ld FlatPack	300krad
Octal Buffer/Line Driver, Three-State, Inverting	ACS245KMSR	5962F9670701VXC	20 Ld FlatPack	300krad
Non-Inverting Octal Buffer/Line Driver, Three-State	ACS541HMSR-02	5962F9671002V9A	Die (Military Visual)	300krad
Non-Inverting Octal Buffer/Line Driver, Three-State	ACS541KMSR-02	5962F9671002VXC	20 Ld FlatPack	300krad
Non-Inverting Octal Buffer/Line Driver, Three-State	ACS74DMSR	5962F9679901VCC	20 Ld SBDIP	300krad
Hex Inverter	ACTS04DMSR-02	5962F9671201VCC	14 Ld SBDIP	300krad
Hex Inverter	ACTS04HMSR-02	5962F9671201V9A	Die (Military Visual)	300krad
Hex Inverter	ACTS04KMSR-02	5962F9671202VXC	14 Ld FlatPack	300krad
Octal Buffer/Line Driver, Three-State, Inverting	ACTS240DMSR	5962F9671701VRC	20 Ld SBDIP	300krad
Octal Buffer/Line Driver, Three-State, Inverting	ACTS240KMSR	5962F9671701VXC	20 Ld FlatPack	300krad
Octal Buffer/Line Driver, Three-State, Inverting	ACTS245DMSR	5962F9671901VRC	20 Ld SBDIP	300krad
Octal Buffer/Line Driver, Three-State, Inverting	ACTS245KMSR	5962F9671901VXC	20 Ld FlatPack	300krad
CMOS Quad True/Complement Buffer	CD4041UBDMSR	5962R9663201VCC	14 Ld SBDIP	100krad
CMOS Quad True/Complement Buffer	CD4041UBHNSR	5962R9663202V9A	Die (Military Visual)	100krad
CMOS Quad True/Complement Buffer	CD4041UBHSR	5962R9663201V9A	Die (Military Visual)	100krad
CMOS Quad True/Complement Buffer	CD4041UBKMSR	5962R9663201VXC	14 Ld FlatPack	100krad
CMOS Hex Buffer/Converter	CD4049UBDMSR	5962R9663601VEC	16 Ld SBDIP	100krad
CMOS Hex Buffer/Converter	CD4049UBHSR	5962R9663601V9A	Die (Military Visual)	100krad
CMOS Hex Buffer/Converter	CD4049UBKMSR	5962R9663601VXC	16 Ld FlatPack	100krad
CMOS Hex Buffer/Converter	CD4049UBKNSR	5962R9663602VXC	16 Ld FlatPack	100krad
CMOS Hex Buffer/Converter	CD4050BDMSR	5962R9663701VEC	16 Ld SBDIP	100krad
CMOS Hex Buffer/Converter	CD4050BKMSR	5962R9663701VXC	16 Ld FlatPack	100krad
CMOS Hex Inverter	CD4069UBDMSR	5962R9665301VCC	14 Ld SBDIP	100krad
CMOS Hex Inverter	CD4069UBKMSR	5962R9665301VXC	14 Ld FlatPack	100krad
CMOS Hex Buffer	CD4503BDMSR	5962R9664301VEC	16 Ld SBDIP	100krad
CMOS Hex Buffer	CD4503BKMSR	5962R9664301VXC	16 Ld FlatPack	100krad
CMOS Hex Buffer	CD4503BKNSR	5962R9664302VXC	16 Ld FlatPack	100krad
Hex Inverter	HCS04DMSR	5962R9572501VCC	14 Ld SBDIP	200krad
Hex Inverter	HCS04HMSR	5962R9572501V9A	Die (Military Visual)	200krad
Hex Inverter	HCS04KMSR	5962R9572501VXC	14 Ld FlatPack	200krad
Hex Inverter with Open Drain	HCS05KMSR	5962R9580101VXC	14 Ld FlatPack	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCS240DMSR	5962R9580901VRC	20 Ld SBDIP	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCS240KMSR	5962R9580901VXC	20 Ld FlatPack	200krad
Non-Inverting Octal Buffer/Line Driver, Three-State	HCS244DMSR	5962R9573101VRC	20 Ld SBDIP	200krad
Non-Inverting Octal Buffer/Line Driver, Three-State	HCS244KMSR	5962R9573101VXC	20 Ld FlatPack	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCS245DMSR	5962R9679701VCC	20 Ld SBDIP	200krad

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Radiation Hardened Logic Selection Chart

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Device Description	Mkt. Number	SMD Number	Package	RH Level
Octal Buffer/Line Driver, Three-State, Inverting	HCS245HMSR	5962R9679701V9A	Die (Military Visual)	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCS245KMSR	5962R9679701VXC	20 Ld FlatPack	200krad
Hex Inverter	HCTS04DMSR	5962R9573201VCC	14 Ld SBDIP	200krad
Hex Inverter	HCTS04KMSR	5962R9573201VXC	14 Ld FlatPack	200krad
Hex Inverter	HCTS04HMSR	5962R9573201V9A	Die (Military Visual)	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCTS240ADMSR	5962R9577201VRC	20 Ld SBDIP	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCTS240AHMSR	5962R9577201V9A	Die (Military Visual)	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCTS240AKMSR	5962R9577201VXC	20 Ld FlatPack	200krad
Non-Inverting Octal Buffer/Line Driver, Three-State	HCTS244DMSR	5962R9574401VRC	20 Ld SBDIP	200krad
Non-Inverting Octal Buffer/Line Driver, Three-State	HCTS244KMSR	5962R9574401VXC	20 Ld FlatPack	200krad
Non-Inverting Octal Buffer/Line Driver, Three-State	HCTS244HMSR	5962R9574401V9A	Die (Military Visual)	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCTS245DMSR	5962R9574501VRC	20 Ld SBDIP	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCTS245KMSR	5962R9574501VXC	20 Ld FlatPack	200krad
Octal Buffer/Line Driver, Three-State, Inverting	HCTS245HMSR	5962R9574501V9A	Die (Military Visual)	200krad
Inverting Octal Buffer/Line Driver, Three-State	HCTS540KMSR	5962R9577601VXC	20 Ld FlatPack	200krad
Non-Inverting Octal Buffer/Line Driver, Three-State	HCTS541DMSR	5962R9575101VRC	20 Ld SBDIP	200krad
Non-Inverting Octal Buffer/Line Driver, Three-State	HCTS541HMSR	5962R9575101V9A	Die (Military Visual)	200krad
Non-Inverting Octal Buffer/Line Driver, Three-State	HCTS541KMSR	5962R9575101VXC	20 Ld FlatPack	200krad
Digital Logic Comparators				
CMOS 4-Bit Magnitude Comparator	CD4063BDMSR	5962R9675701VCC	16 Ld SBDIP	100krad
CMOS 4-Bit Magnitude Comparator	CD4063BKMSR	5962R9675701VXC	16 Ld FlatPack	100krad
CMOS 4-Bit Magnitude Comparator	CD4585BDMSR	5962R9667401VEC	16 Ld SBDIP	100krad
CMOS 4-Bit Magnitude Comparator	CD4585BHSR	5962R9667401V9A	Die (Military Visual)	100krad
CMOS 4-Bit Magnitude Comparator	CD4585BKMSR	5962R9667401VXC	16 Ld FlatPack	100krad
4-Bit Magnitude Comparator	HCTS85DMSR	5962R9576801VEC	16 Ld SBDIP	200krad
4-Bit Magnitude Comparator	HCTS85KMSR	5962R9576801VXC	16 Ld FlatPack	200krad
Digital Logic Counters				
4-Bit Synchronous Counter	ACTS161DMSR	5962F9671601VEC	16 Ld SBDIP	300krad
4-Bit Synchronous Counter	ACTS161KMSR	5962F9671601VXC	16 Ld FlatPack	300krad
CMOS Presettable Up/Down Counters (Dual Clock with Reset)	CD40193BDMSR	5962R9660802VEC	16 Ld SBDIP	100krad
CMOS Presettable Up/Down Counters (Dual Clock with Reset)	CD40193BHSR	5962R9660802V9A	Die (Military Visual)	100krad
CMOS Presettable Up/Down Counters (Dual Clock with Reset)	CD40193BKMSR	5962R9660802VXC	16 Ld FlatPack	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4020BDMSR	5962R9662801VEC	16 Ld SBDIP	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4020BHSR	5962R9662801V9A	Die (Military Visual)	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4020BKMSR	5962R9662801VYC	16 Ld FlatPack	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4020BKNSR	5962R9662802VYC	16 Ld FlatPack	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4024BDMSR	5962R9662803VCC	14 Ld SBDIP	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4024BHSR	5962R9662803V9A	Die (Military Visual)	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4024BKMSR	5962R9662803VXC	14 Ld FlatPack	100krad

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Radiation Hardened Logic Selection Chart

Not Recommended for New Designs (Please contact your local sales representative for availability of die.) **(Continued)**

Device Description	Mkt. Number	SMD Number	Package	RH Level
CMOS Presettable Up/Down Counter	CD4029BDMSR	5962R9562101VEC	16 Ld SBDIP	100krad
CMOS Presettable Up/Down Counter	CD4029BHNSR	5962R9562102V9A	Die (Military Visual)	100krad
CMOS Presettable Up/Down Counter	CD4029BHSR	5962R9562101V9A	Die (Military Visual)	100krad
CMOS Presettable Up/Down Counter	CD4029BKMSR	5962R9562101VXC	16 Ld FlatPack	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4040BDMSR	5962R9662806VCC	16 Ld SBDIP	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4040BKMSR	5962R9662806VYC	16 Ld FlatPack	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4040BKNSR	5962R9662806VYC	16 Ld FlatPack	100krad
CMOS Ripple-Carry Binary Counter/Dividers	CD4040BHSR	5962R9662806V9A	Die (Military Visual)	100krad
CMOS 14STG Binary Ripple Counter/DVDR/Oscillator	CD4060BDMSR	5962R9660901VXC	16 Ld SBDIP	100krad
CMOS 14STG Binary Ripple Counter/DVDR/Oscillator	CD4060BKMSR	5962R9660901VEC	16 Ld FlatPack	100krad
Synchronous Counter	HCS161DMSR	5962R9573001VEC	16 Ld SBDIP	200krad
Synchronous Counter	HCS161HMSR	5962R9573001V9A	Die (Military Visual)	200krad
Synchronous Counter	HCS161KMSR	5962R9573001VXC	16 Ld FlatPack	200krad
Synchronous Presettable Counter	HCS163DMSR	5962R9580701VEC	16 Ld SBDIP	200krad
Synchronous Presettable Counter	HCS163KMSR	5962R9580701VXC	16 Ld FlatPack	200krad
Synchronous 4-Bit Up/Down Counter	HCTS193KMSR	5962R9575701VXC	16 Ld FlatPack	200krad
Synchronous 4-Bit Up/Down Counter	HCTS193HMSR	5962R9575701V9A	Die (Military Visual)	200krad
Dual 4-Stage Binary Counter	HCTS393HMSR	5962R9575001V9A	Die (Military Visual)	200krad
Dual 4-Stage Binary Counter	HCTS393KMSR	5962R9575001VXC	14 Ld FlatPack	200krad
Digital Logic Decoders				
Inverting 3-to-8 Line Decoder/Demultiplexer	ACS138DMSR-03	5962F9853401VEC	16 Ld SBDIP	300krad
Inverting 3-to-8 Line Decoder/Demultiplexer	ACS138KMSR-03	5962F9853401VXC	16 Ld FlatPack	300krad
CMOS BCD-To-Decimal Decoder	CD4028BKMSR	5962R9663001VXC	16 Ld FlatPack	100krad
CMOS BCD-To-Decimal Decoder	CD4028BHNSR	5962R9663002VXC	Die (Military Visual)	100krad
CMOS 4-Bit Latch/4-to-16 Line Decoders	CD4514BDMSR	5962R9668101VJC	24 Ld SBDIP	100krad
CMOS 4-Bit Latch/4-to-16 Line Decoders	CD4514BHSR	5962R9668101V9A	Die (Military Visual)	100krad
CMOS 4-Bit Latch/4-to-16 Line Decoders	CD4514BKMSR	5962R9668101VXC	24 Ld FlatPack	100krad
CMOS Dual Binary to 1 of 4 Decoder/Demultiplexers	CD4555BDMSR	5962R9667301VEC	16 Ld SBDIP	100krad
CMOS Dual Binary to 1 of 4 Decoder/Demultiplexers	CD4555BKMSR	5962R9667301VXC	16 Ld FlatPack	100krad
Inverting 3-to-8 Line Decoder/Demultiplexer	HCS138DMSR	5962R9572701VEC	16 Ld SBDIP	200krad
Inverting 3-to-8 Line Decoder/Demultiplexer	HCS138HMSR	5962R9572701V9A	Die (Military Visual)	200krad
Inverting 3-to-8 Line Decoder/Demultiplexer	HCS138KMSR	5962R9572701VXC	16 Ld FlatPack	200krad
Dual 2-to-4 Line Decoder/Demultiplexer	HCS139DMSR	5962R9580401VEC	16 Ld SBDIP	200krad
Dual 2-to-4 Line Decoder/Demultiplexer	HCS139KMSR	5962R9580401VXC	16 Ld FlatPack	200krad
4-to-16 Line Decoder/Demultiplexer	HCS154DMSR	5962R9572901VJC	24 Ld SBDIP	200krad
4-to-16 Line Decoder/Demultiplexer	HCS154KMSR	5962R9572901VXC	24 Ld FlatPack	200krad
Inverting 3-to-8 Line Decoder/Demultiplexer	HCTS138DMSR	5962R9574001VEC	16 Ld SBDIP	200krad
Inverting 3-to-8 Line Decoder/Demultiplexer	HCTS138HMSR	5962R9574001V9A	Die (Military Visual)	200krad
Inverting 3-to-8 Line Decoder/Demultiplexer	HCTS138KMSR	5962R9574001VXC	16 Ld FlatPack	200krad

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Radiation Hardened Logic Selection Chart

Not Recommended for New Designs (Please contact your local sales representative for availability of die.) **(Continued)**

Device Description	Mkt. Number	SMD Number	Package	RH Level
Dual 2-to-4 Line Decoder/Demultiplexer	HCTS139DMSR	5962R9575301VEC	16 Ld SBDIP	200krad
Dual 2-to-4 Line Decoder/Demultiplexer	HCTS139KMSR	5962R9575301VXC	16 Ld FlatPack	200krad
Digital Logic Flip-Flops				
Octal D Flip-Flop, +Edge Triggered, Three-State	ACS374DMSR	5962F9565601VRC	20 Ld SBDIP	300krad
Octal D Flip-Flop, +Edge Triggered, Three-State	ACS374KMSR	5962F9565601VXC	20 Ld FlatPack	300krad
Dual D Type Flip-Flop with Set and Reset, Advanced Logic, CMOS	ACS74HMSR	5962F9679901V9A	Die (Military Visual)	300krad
Dual D Type Flip-Flop with Set and Reset, Advanced Logic, CMOS	ACS74KMSR	5962F9679901VXC	14 Ld FlatPack	300krad
Dual D Type Flip-Flop with Set and Reset, Advanced Logic, CMOS	ACTS74HMSR-02	5962F9671302V9A	Die (Military Visual)	300krad
CMOS Dual `D'-Type Flip-Flop	CD4013BDMSR	5962R9662201VCC	14 Ld SBDIP	100krad
CMOS Dual `D'-Type Flip-Flop	CD4013BHSR	5962R9662201V9A	Die (Military Visual)	100krad
CMOS Dual `D'-Type Flip-Flop	CD4013BKMSR	5962R9662201VXC	14 Ld FlatPack	100krad
CMOS Dual `D'-Type Flip-Flop	CD4013BKNSR	5962R9662202VXC	14 Ld FlatPack	100krad
CMOS Hex `D'-Type Flip-Flop	CD40174BDMSR	5962R9660501VEC	16 Ld SBDIP	100krad
CMOS Hex `D'-Type Flip-Flop	CD40174BKMSR	5962R9660501VXC	16 Ld FlatPack	100krad
CMOS Hex `D'-Type Flip-Flop	CD40174BHSR	5962R9660501V9A	Die (Military Visual)	100krad
CMOS Dual J-K Master-Slave Flip-Flop	CD4027BKMSR	5962R9662901VXC	16 Ld FlatPack	100krad
Dual JK Flip-Flop	HCS109DMSR	5962R9578401VEC	16 Ld SBDIP	200krad
Dual JK Flip-Flop	HCS109HMSR	5962R9578401V9A	Die (Military Visual)	200krad
Dual JK Flip-Flop	HCS109KMSR	5962R9578401VXC	16 Ld FlatPack	200krad
Octal D Flip-Flop	HCS273DMSR	5962R9579101VRC	20 Ld SBDIP	200krad
Octal D Flip-Flop	HCS273HMSR	5962R9579101V9A	Die (Military Visual)	200krad
Octal D Flip-Flop	HCS273KMSR	5962R9579101VXC	20 Ld FlatPack	200krad
Octal D Flip-Flop, +Edge Triggered, Three-State	HCS374DMSR	5962R9579301VRC	20 Ld SBDIP	200krad
Octal D Flip-Flop, +Edge Triggered, Three-State	HCS374HMSR	5962R9579301VXC	Die (Military Visual)	200krad
Octal D Flip-Flop, +Edge Triggered, Three-State	HCS374KMSR	5962R9579301VXC	20 Ld FlatPack	200krad
OCTAL D Flip-Flop with Reset	HCTS273DMSR	5962R9576401VRC	20 Ld SBDIP	200krad
OCTAL D Flip-Flop with Reset	HCTS273KMSR	5962R9576401VXC	20 Ld FlatPack	200krad
Octal D Flip-Flop, +Edge Triggered, Three-State	HCTS574DMSR	5962R9575801VRC	20 Ld SBDIP	200krad
Octal D Flip-Flop, +Edge Triggered, Three-State	HCTS574HMSR	5962R9575801V9A	Die (Military Visual)	200krad
Octal D Flip-Flop, +Edge Triggered, Three-State	HCTS574KMSR	5962R9575801VXC	20 Ld FlatPack	200krad
Dual-D Flip-Flop with Set and Reset	HCTS74DMSR	5962R9576301VCC	14 Ld SBDIP	200krad
Dual-D Flip-Flop with Set and Reset	HCTS74HMSR	5962R9576301V9A	Die (Military Visual)	200krad
Dual-D Flip-Flop with Set and Reset	HCTS74KMSR	5962R9576301VXC	14 Ld FlatPack	200krad
Digital Logic Gates				
Quad 2-Input NAND Gate	ACS00HMSR-02	5962F9565002V9A	Die (Military Visual)	300krad
Quad 2-Input NAND Gate with Open Drain	ACS03DMSR	5962F9670301VCC	14 Ld SBDIP	300krad
Quad 2-Input NAND Gate with Open Drain	ACS03HMSR	5962F9670301V9A	Die (Military Visual)	300krad
Quad 2-Input NAND Gate with Open Drain	ACS03KMSR	5962F9670301VXC	14 Ld FlatPack	300krad
Triple 3-Input NAND Gate, CMOS	ACS10HMSR-02	5962F9565202V9A	Die (Military Visual)	300krad

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Radiation Hardened Logic Selection Chart

Not Recommended for New Designs (Please contact your local sales representative for availability of die.) **(Continued)**

Device Description	Mkt. Number	SMD Number	Package	RH Level
Quad 2-Input AND Gate	ACTS08DMSR-02	5962F9565702VCC	14 Ld SBDIP	300krad
Quad 2-Input AND Gate	ACTS08KMSR-02	5962F9565702VXC	14 Ld FlatPack	300krad
Quad 2-Input AND Gate	ACTS08HMSR-02	5962F9565702V9A	Die (Military Visual)	300krad
CMOS NOR Gate	CD4001BDMSR	5962R9582602VCC	14 Ld SBDIP	100krad
CMOS NOR Gate	CD4001BHSR	5962R9582602V9A	Die (Military Visual)	100krad
CMOS NOR Gate	CD4001BHNSR	5962R9582605V9A	Die (Military Visual)	100krad
CMOS NOR Gate	CD4001BKMSR	5962R9582602VXC	14 Ld FlatPack	100krad
CMOS NOR Gate	CD4001BKNSR	5962R9582605VXC	14 Ld FlatPack	100krad
CMOS Dual 2-Input NAND Buffer/Driver	CD40107BHSR	5962R9664401V9A	Die (Military Visual)	100krad
CMOS Dual 2-Input NAND Buffer/Driver	CD40107BKMSR	5962R9664401VXC	14 Ld FlatPack	100krad
CMOS NAND Gates	CD4023BDMSR	5962R9662103VCC	14 Ld SBDIP	100krad
CMOS NAND Gates	CD4023BHSR	5962R9662103V9A	Die (Military Visual)	100krad
CMOS NAND Gates	CD4023BKMSR	5962R9662103VXC	14 Ld FlatPack	100krad
CMOS NOR Gate	CD4025BDMSR	5962R9582604VCC	14 Ld SBDIP	100krad
CMOS NOR Gate	CD4025BKMSR	5962R9582604VXC	14 Ld FlatPack	100krad
CMOS Quad Exclusive-OR Gate	CD4030BDMSR	5962R9664601VCC	14 Ld SBDIP	100krad
CMOS Quad Three-State R/S Latches	CD4043BDMSR	5962R9663401VEC	16 Ld SBDIP	100krad
CMOS Quad Three-State R/S Latches	CD4043BKMSR	5962R9663401VXC	16 Ld FlatPack	100krad
CMOS Quad Exclusive OR and Exclusive NOR Gates	CD4070BDMSR	5962R9661101VCC	14 Ld SBDIP	100krad
CMOS Quad Exclusive OR and Exclusive NOR Gates	CD4070BHSR	5962R9661101V9A	Die (Military Visual)	100krad
CMOS Quad Exclusive OR and Exclusive NOR Gates	CD4070BKMSR	5962R9661101VXC	14 Ld FlatPack	100krad
CMOS OR Gate	CD4071BDMSR	5962R9665401VCC	14 Ld SBDIP	100krad
CMOS OR Gate	CD4071BKMSR	5962R9665401VXC	14 Ld FlatPack	100krad
CMOS Triple 3-Input AND Gate	CD4073BHSR	5962R9665501V9A	Die (Military Visual)	100krad
CMOS Triple 3-Input AND Gate	CD4073BKNSR	5962R9665504VXC	14 Ld FlatPack	100krad
CMOS Quad Exclusive OR and Exclusive NOR Gates	CD4077BDMSR	5962R9661102VCC	14 Ld SBDIP	100krad
CMOS Quad Exclusive OR and Exclusive NOR Gates	CD4077BKMSR	5962R9661102VXC	14 Ld FlatPack	100krad
CMOS AND Gate	CD4081BDMSR	5962R9665502VCC	14 Ld SBDIP	100krad
CMOS AND Gate	CD4081BKMSR	5962R9665502VXC	14 Ld FlatPack	100krad
CMOS AND Gate	CD4081BKNSR	5962R9665505VXC	14 Ld FlatPack	100krad
Quad 2-Input NAND Gate	HCS00DMSR	5962R9572401VCC	14 Ld SBDIP	200krad
Quad 2-Input NAND Gate	HCS00HMSR	5962R9572401V9A	Die (Military Visual)	200krad
Quad 2-Input NAND Gate	HCS00KMSR	5962R9572401VXC	14 Ld FlatPack	200krad
Quad 2-Input NOR Gate	HCS02DMSR	5962R9567901VXC	14 Ld SBDIP	200krad
Quad 2-Input NOR Gate	HCS02HMSR	5962R9567901V9A	Die (Military Visual)	200krad
Quad 2-Input NOR Gate	HCS02KMSR	5962R9567901VCC	14 Ld FlatPack	200krad
Triple 3-Input NAND Gate, CMOS	HCS10KMSR	5962R9577701VXC	14 Ld FlatPack	200krad
Triple 3-Input AND Gate	HCS11DMSR	5962R9572001VCC	14 Ld SBDIP	200krad
Triple 3-Input AND Gate	HCS11KMSR	5962R9572001VXC	14 Ld FlatPack	200krad

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Radiation Hardened Logic Selection Chart

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Device Description	Mkt. Number	SMD Number	Package	RH Level
Quad 2-Input NAND Schmitt Trigger	HCS132DMSR	5962R9572601VCC	14 Ld SBDIP	200krad
Quad 2-Input NAND Schmitt Trigger	HCS132HMSR	5962R9572601V9A	Die (Military Visual)	200krad
Quad 2-Input NAND Schmitt Trigger	HCS132KMSR	5962R9572601VXC	14 Ld FlatPack	200krad
CMOS Dual 4-Input AND Gate	HCS21DMSR	5962R9577901VCC	14 Ld SBDIP	200krad
CMOS Dual 4-Input AND Gate	HCS21KMSR	5962R9577901VXC	14 Ld FlatPack	200krad
Triple 3-Input NOR Gate	HCS27DMSR	5962R9578001VCC	14 Ld SBDIP	200krad
Triple 3-Input NOR Gate	HCS27HMSR	5962R9578001V9A	Die (Military Visual)	200krad
Triple 3-Input NOR Gate	HCS27KMSR	5962R9578001VXC	14 Ld FlatPack	200krad
Quad 2-Input OR Gate	HCS32DMSR	5962R9578101VCC	14 Ld SBDIP	200krad
Quad 2-Input OR Gate	HCS32HMSR	5962R9578101V9A	Die (Military Visual)	200krad
Quad 2-Input OR Gate	HCS32KMSR	5962R9578101VXC	14 Ld FlatPack	200krad
Quad 2-Input Exclusive OR Gate	HCS86DMSR	5962R9578301VCC	14 Ld SBDIP	200krad
Quad 2-Input Exclusive OR Gate	HCS86HMSR	5962R9578301V9A	Die (Military Visual)	200krad
Quad 2-Input Exclusive OR Gate	HCS86KMSR	5962R9578301VXC	14 Ld FlatPack	200krad
Quad 2-Input NOR Gate	HCTS02DMSR	5962R9568201VCC	14 Ld SBDIP	200krad
Quad 2-Input NOR Gate	HCTS02KMSR	5962R9568201VXC	14 Ld FlatPack	200krad
Quad 2-Input AND Gate	HCTS08DMSR	5962R9568301VCC	14 Ld SBDIP	200krad
Quad 2-Input AND Gate	HCTS08HMSR	5962R9568301V9A	Die (Military Visual)	200krad
Quad 2-Input AND Gate	HCTS08KMSR	5962R9568301VXC	14 Ld FlatPack	200krad
Dual 4-Input NAND Gate	HCTS20KMSR	5962R9573301VXC	14 Ld FlatPack	200krad
8-Input NAND Gate	HCTS30DMSR	5962R9573501VCC	14 Ld SBDIP	200krad
8-Input NAND Gate	HCTS30KMSR	5962R9573501VXC	14 Ld FlatPack	200krad
8-Input NAND Gate	HCTS30HMSR	5962R9573501V9A	Die (Military Visual)	200krad
Quad 2-Input OR Gate	HCTS32DMSR	5962R9573601VCC	14 Ld SBDIP	200krad
Quad 2-Input OR Gate	HCTS32KMSR	5962R9573601VXC	14 Ld FlatPack	200krad
Quad 2-Input OR Gate	HCTS32HMSR	5962R9573601V9A	Die (Military Visual)	200krad
Quad 2-Input Exclusive OR Gate	HCTS86DMSR	5962R9581401VCC	14 Ld SBDIP	200krad
Quad 2-Input Exclusive OR Gate	HCTS86KMSR	5962R9581401VXC	14 Ld FlatPack	200krad
Digital Logic Latches				
Octal Transparent Latch, Three-State	ACS373DMSR	5962F9565501VRC	20 Ld SBDIP	300krad
Octal Transparent Latch, Three-State	ACS373KMSR	5962F9565501VXC	20 Ld FlatPack	300krad
Octal Transparent Latch, Three-State	ACTS373DMSR-02	5962F9566102VRC	20 Ld SBDIP	300krad
Octal Transparent Latch, Three-State	ACTS373KMSR-02	5962F9566102VXC	20 Ld FlatPack	300krad
D Latch, Clocked, Quad CMOS, Logic	CD4042BDMSR	5962R9663301VEC	16 Ld SBDIP	100krad
D Latch, Clocked, Quad CMOS, Logic	CD4042BKMSR	5962R9663301VXC	16 Ld FlatPack	100krad
CMOS 8-Bit Addressable Latch	CD4099BDMSR	5962R9661501VEC	16 Ld SBDIP	100krad
CMOS 8-Bit Addressable Latch	CD4099BKMSR	5962R9661501VXC	16 Ld FlatPack	100krad
Octal Transparent Latch, Three-State	HCS573KMSR	5962R9579401VXC	20 Ld FlatPack	200krad

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Radiation Hardened Logic Selection Chart

Not Recommended for New Designs (Please contact your local sales representative for availability of die.) **(Continued)**

Device Description	Mkt. Number	SMD Number	Package	RH Level
Digital Logic Level Shifters				
CMOS Hex Voltage Level Shifter for TTL-to-CMOS or CMOS-to-CMOS Operation	CD4504BDMSR	5962R9666501VEC	16 Ld SBDIP	100krad
CMOS Hex Voltage Level Shifter for TTL-to-CMOS or CMOS-to-CMOS Operation	CD4504BHSR	5962R9666501V9A	Die (Military Visual)	100krad
CMOS Hex Voltage Level Shifter for TTL-to-CMOS or CMOS-to-CMOS Operation	CD4504BKMSR	5962R9666501VXC	16 Ld FlatPack	100krad
Digital Logic Linear				
16-Bit Parallel EDAC	ACS630DMSR	5962F9671101VXC	20 Ld SBDIP	300krad
16-Bit Parallel EDAC	ACS630KMSR	5962F9671101VYC	20 Ld FlatPack	300krad
Inverting 8-Bit Parallel-In/Serial-Out Shift Register	HCS166DMSR	5962R9578601VEC	16 Ld FlatPack	200krad
4-Bit Full Adder with Fast Carry	HCTS283DMSR	5962R9577401VEC	16 Ld SBDIP	200krad
4-Bit Full Adder with Fast Carry	HCTS283KMSR	5962R9577401VXC	16 Ld FlatPack	200krad
Digital Logic Multiplexers				
CMOS Analog Multiplexers/Demultiplexers	CD4051BDMSR	5962R9665101VEC	16 Ld SBDIP	100krad
CMOS Analog Multiplexers/Demultiplexers	CD4051BHSR	5962R9665101V9A	Die (Military Visual)	100krad
CMOS Analog Multiplexers/Demultiplexers	CD4051BKMSR	5962R9665101VXC	16 Ld FlatPack	100krad
CMOS Analog Multiplexers/Demultiplexers	CD4051BKNSR	5962R9665104VXC	16 Ld FlatPack	100krad
CMOS Analog Multiplexers/Demultiplexers	CD4052BDMSR	5962R9665102VEC	16 Ld SBDIP	100krad
CMOS Analog Multiplexers/Demultiplexers	CD4052BHSR	5962R9665102V9A	Die (Military Visual)	100krad
CMOS Analog Multiplexers/Demultiplexers	CD4052BKMSR	5962R9665102VXC	16 Ld FlatPack	100krad
CMOS Triple 2-Channel Analog Multiplexer/Demultiplexer	CD4053BDMSR	5962R9665103VXC	16 Ld SBDIP	100krad
CMOS Triple 2-Channel Analog Multiplexer/Demultiplexer	CD4053BHSR	5962R9665103V9A	Die (Military Visual)	100krad
CMOS Triple 2-Channel Analog Multiplexer/Demultiplexer	CD4053BKMSR	5962R9665103VEC	16 Ld FlatPack	100krad
8-Input Multiplexer	HCS151KMSR	5962R9572801VXC	16 Ld FlatPack	200krad
Quad 2-Input Multiplexer	HCS157DMSR	5962R9580501VXC	16 Ld SBDIP	200krad
Quad 2-Input Multiplexer	HCS157KMSR	5962R9580501VEC	16 Ld FlatPack	200krad
CMOS Quad 2-Input Multiplexer	HCTS157DMSR	5962R9575501VEC	16 Ld SBDIP	200krad
CMOS Quad 2-Input Multiplexer	HCTS157KMSR	5962R9575501VXC	16 Ld FlatPack	200krad
Digital Logic Multivibrators				
CMOS Dual Precision Monostable Multivibrator	CD14538BDMSR	5962R9670201VXC	16 Ld SBDIP	100krad
CMOS Dual Precision Monostable Multivibrator	CD14538BKMSR	5962R9670201VEC	16 Ld FlatPack	100krad
CMOS Low-Power Monostable/Astable Multivibrator	CD4047BDMSR	5962R9663501VCC	14 Ld SBDIP	100krad
CMOS Low-Power Monostable/Astable Multivibrator	CD4047BHSR	5962R9663501V9A	Die (Military Visual)	100krad
CMOS Low-Power Monostable/Astable Multivibrator	CD4047BKMSR	5962R9663501VXC	14 Ld FlatPack	100krad
CMOS Low-Power Monostable/Astable Multivibrator	CD4047BKNSR	5962R9663502VXC	14 Ld FlatPack	100krad
CMOS Dual Monostable Multivibrator	CD4098BDMSR	5962R9661401VEC	16 Ld SBDIP	100krad
CMOS Dual Monostable Multivibrator	CD4098BKMSR	5962R9661401VXC	16 Ld FlatPack	100krad

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Radiation Hardened Logic Selection Chart

Not Recommended for New Designs (Please contact your local sales representative for availability of die.) **(Continued)**

Device Description	Mkt. Number	SMD Number	Package	RH Level
Digital Logic Registers				
CMOS FIFO Register	CD40105BDMSR	5962R9660201VEC	16 Ld SBDIP	100krad
CMOS FIFO Register	CD40105BKMSR	5962R9660201VXC	16 Ld FlatPack	100krad
CMOS Dual 4-Stage Static Shift Register with Serial Input/Parallel Output	CD4015BDMSR	5962R9662401VEC	16 Ld SBDIP	100krad
CMOS Dual 4-Stage Static Shift Register with Serial Input/Parallel Output	CD4015BKMSR	5962R9662401VXC	16 Ld FlatPack	100krad
CMOS Dual 4-Stage Static Shift Register with Serial Input/Parallel Output	CD4015BKNSR	5962R9662402VXC	16 Ld FlatPack	100krad
CMOS 8-Stage Static Shift Registers	CD4021BDMSR	5962R9662302VEC	16 Ld SBDIP	100krad
CMOS 8-Stage Static Shift Registers	CD4021BKMSR	5962R9662302VXC	16 Ld FlatPack	100krad
CMOS 4-Bit D-Type Registers	CD4076BDMSR	5962R9665601VEC	16 Ld SBDIP	100krad
CMOS 4-Bit D-Type Registers	CD4076BHSR	5962R9665601V9A	Die (Military Visual)	100krad
CMOS 4-Bit D-Type Registers	CD4076BKMSR	5962R9665601VXC	16 Ld FlatPack	100krad
8-Bit Serial-In/Parallel-Out Register	HCS164DMSR	5962R9578501VCC	14 Ld SBDIP	200krad
8-Bit Serial-In/Parallel-Out Register	HCS164KMSR	5962R9578501VXC	14 Ld FlatPack	200krad
8-Bit Serial-In/Parallel-Out Shift Register	HCTS164DMSR	5962R9566301VCC	14 Ld SBDIP	200krad
8-Bit Serial-In/Parallel-Out Shift Register	HCTS164KMSR	5962R9566301VXC	14 Ld FlatPack	200krad
8-Bit Universal Shift Register; Three-State	HCTS299KMSR	5962R9574601VXC	20 Ld FlatPack	200krad
Digital Logic Schmitt Triggers				
Hex Inverting Schmitt Trigger	ACS14DMSR-03	5962F9862301VCC	14 Ld SBDIP	300krad
Hex Inverting Schmitt Trigger	ACS14KMSR-03	5962F9862301VXC	14 Ld FlatPack	300krad
Hex Inverting Schmitt Trigger	ACS14HMSR-03	5962F9862301V9A	Die (Military Visual)	300krad
CMOS Schmitt Trigger, Hex, Inverting	CD40106BDMSR	5962R9660301VCC	14 Ld SBDIP	100krad
CMOS Schmitt Trigger, Hex, Inverting	CD40106BHSR	5962R9660301V9A	Die (Military Visual)	100krad
CMOS Schmitt Trigger, Hex, Inverting	CD40106BKMSR	5962R9660301VXC	14 Ld FlatPack	100krad
CMOS Schmitt Trigger, Hex, Inverting	CD40106BKNSR	5962R9660302VXC	14 Ld FlatPack	100krad
Hex Inverter Schmitt Trigger	HCTS14DMSR	5962R9571901VCC	14 Ld SBDIP	200krad
Hex Inverter Schmitt Trigger	HCTS14KMSR	5962R9571901VXC	14 Ld FlatPack	200krad
Hex Inverter Schmitt Trigger	HCTS14HMSR	5962R9571901V9A	Die (Military Visual)	200krad

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SMD Cross Reference

Mkt. Number	SMD Number
ACS03DMSR	5962F9670301VCC
ACS03KMSR	5962F9670301VXC
ACS04DMSR-03	5962F9860301VCC
ACS04KMSR-03	5962F9860301VXC
ACS138DMSR-03	5962F9853401VEC
ACS138KMSR-03	5962F9853401VXC
ACS244DMSR-02	5962F9854101VRC
ACS244KMSR-02	5962F9854101VXC
ACS373DMSR	5962F9565501VRC
ACS373KMSR	5962F9565501VXC
ACS374DMSR	5962F9565601VRC
ACS374KMSR	5962F9565601VXC
ACS541KMSR-02	5962F9671002VXC
ACS74DMSR	5962F9679901VCC
ACS74KMSR	5962F9679901VXC
ACTS04DMSR-02	5962F9671201VCC
ACTS04KMSR-02	5962F9671202VXC
ACTS08DMSR-02	5962F9565702VCC
ACTS08KMSR-02	5962F9565702VXC
ACTS161DMSR	5962F9671601VEC
ACTS161KMSR	5962F9671601VXC
ACTS240DMSR	5962F9671701VRC
ACTS240KMSR	5962F9671701VXC
ACTS244DMSR-02	5962F9671802VRC
ACTS244KMSR-02	5962F9671802VXC
ACTS245DMSR	5962F9671901VRC
ACTS245KMSR	5962F9671901VXC
ACTS373DMSR-02	5962F9566102VRC
ACTS373KMSR-02	5962F9566102VXC
ACTS74HMSR-02	5962F9671302V9A
CD14538BDMSR	5962R9670201VEC
CD14538BKMSR	5962R9670201VXC
CD4001BDMSR	5962R9582602VCC
CD4001BHSR	5962R9582602V9A
CD4001BKMSR	5962R9582602VXC
CD4001BKNSR	5962R9582605VXC
CD4008BKMSR	5962R9661901VXC

SMD Cross Reference (Continued)

Mkt. Number	SMD Number
CD40105BDMSR	5962R9660201VEC
CD40105BKMSR	5962R9660201VXC
CD40106BDMSR	5962R9660301VCC
CD40106BKMSR	5962R9660301VXC
CD40106BKNSR	5962R9660302VXC
CD40109BDMSR	5962R9664501VEC
CD40109BKMSR	5962R9664501VXC
CD40109BKNSR	5962R9664502VXC
CD4013BDMSR	5962R9662201VCC
CD4013BHSR	5962R9662201V9A
CD4013BKMSR	5962R9662201VXC
CD4013BKNSR	5962R9662202VXC
CD4015BDMSR	5962R9662401VEC
CD4015BKMSR	5962R9662401VXC
CD4015BKNSR	5962R9662402VXC
CD40174BDMSR	5962R9660501VEC
CD40174BKMSR	5962R9660501VXC
CD40193BDMSR	5962R9660802VEC
CD40193BHSR	5962R9660802V9A
CD40193BKMSR	5962R9660802VXC
CD4020BDMSR	5962R9662801VEC
CD4020BHSR	5962R9662801V9A
CD4020BKMSR	5962R9662801VYC
CD4020BKNSR	5962R9662802VYC
CD4021BDMSR	5962R9662302VEC
CD4021BKMSR	5962R9662302VXC
CD4023BDMSR	5962R9662103VCC
CD4023BHSR	5962R9662103V9A
CD4023BKMSR	5962R9662103VXC
CD4024BDMSR	5962R9662803VCC
CD4024BKMSR	5962R9662803VXC
CD4025BDMSR	5962R9582604VCC
CD4025BKMSR	5962R9582604VXC
CD4027BKMSR	5962R9662901VXC
CD4028BKMSR	5962R9663001VXC
CD4029BDMSR	5962R9562101VEC
CD4029BHNSR	5962R9562102V9A

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SMD Cross Reference (Continued)

Mkt. Number	SMD Number
CD4029BHSR	5962R9562101V9A
CD4029BKMSR	5962R9562101VXC
CD4030BDMSR	5962R9664601VCC
CD4040BDMSR	5962R9662805VEC
CD4040BKMSR	5962R9662805VYC
CD4040BKNSR	5962R9662806VYC
CD4042BDMSR	5962R9663301VEC
CD4042BKMSR	5962R9663301VXC
CD4043BDMSR	5962R9663401VEC
CD4043BKMSR	5962R9663401VXC
CD4047BKMSR	5962R9663501VXC
CD4047BKNSR	5962R9663502VXC
CD4049UBDMSR	5962R9663601VEC
CD4049UBHSR	5962R9663601V9A
CD4049UBKMSR	5962R9663601VXC
CD4049UBKNSR	5962R9663602VXC
CD4050BDMSR	5962R9663701VEC
CD4050BKMSR	5962R9663701VXC
CD4051BDMSR	5962R9665101VEC
CD4051BKMSR	5962R9665101VXC
CD4051BKNSR	5962R9665104VXC
CD4052BDMSR	5962R9665102VEC
CD4052BHSR	5962R9665102V9A
CD4052BKMSR	5962R9665102VXC
CD4053BDMSR	5962R9665103VEC
CD4053BHSR	5962R9665103V9A
CD4053BKMSR	5962R9665103VXC
CD4060BDMSR	5962R9660901VEC
CD4060BKMSR	5962R9660901VXC
CD4063BKMSR	5962R9675701VXC
CD4066BDMSR	5962R9665201VCC
CD4066BKMSR	5962R9665201VXC
CD4069UBDMSR	5962R9665301VCC
CD4069UBKMSR	5962R9665301VXC
CD4070BDMSR	5962R9661101VCC
CD4070BKMSR	5962R9661101VXC
CD4071BDMSR	5962R9665401VCC

SMD Cross Reference (Continued)

Mkt. Number	SMD Number
CD4071BKMSR	5962R9665401VXC
CD4073BHSR	5962R9665501V9A
CD4073BKNSR	5962R9665504VXC
CD4076BDMSR	5962R9665601VEC
CD4076BHSR	5962R9665601V9A
CD4076BKMSR	5962R9665601VXC
CD4077BDMSR	5962R9661102VCC
CD4077BKMSR	5962R9661102VXC
CD4081BDMSR	5962R9665502VCC
CD4081BKMSR	5962R9665502VXC
CD4081BKNSR	5962R9665505VXC
CD4093BDMSR	5962R9664101VCC
CD4093BHSR	5962R9664101V9A
CD4093BKMSR	5962R9664101VXC
CD4093BKNSR	5962R9664102VXC
CD4098BDMSR	5962R9661401VEC
CD4098BKMSR	5962R9661401VXC
CD4099BDMSR	5962R9661501VEC
CD4099BKMSR	5962R9661501VXC
CD4503BDMSR	5962R9664301VEC
CD4503BKMSR	5962R9664301VXC
CD4503BKNSR	5962R9664302VXC
CD4504BDMSR	5962R9666501VEC
CD4504BKMSR	5962R9666501VXC
CD4512BDMSR	5962R9666701VEC
CD4512BKMSR	5962R9666701VXC
CD4514BDMSR	5962R9668101VJC
CD4514BHSR	5962R9668101V9A
CD4514BKMSR	5962R9668101VXC
CD4520BHSR	5962R9666902V9A
CD4555BDMSR	5962R9667301VEC
CD4555BKMSR	5962R9667301VXC
CD4585BDMSR	5962R9667401VEC
CD4585BKMSR	5962R9667401VXC
HCS00DMSR	5962R9572401VCC
HCS00KMSR	5962R9572401VXC
HCS02DMSR	5962R9567901VCC

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SMD Cross Reference (Continued)

Mkt. Number	SMD Number
HCS02KMSR	5962R9567901VXC
HCS05KMSR	5962R9580101VXC
HCS08DMSR	5962R9568001VCC
HCS08KMSR	5962R9568001VXC
HCS109DMSR	5962R9578401VEC
HCS109KMSR	5962R9578401VXC
HCS10KMSR	5962R9577701VXC
HCS11DMSR	5962R9572001VCC
HCS11KMSR	5962R9572001VXC
HCS132DMSR	5962R9572601VCC
HCS132KMSR	5962R9572601VXC
HCS138DMSR	5962R9572701VEC
HCS138KMSR	5962R9572701VXC
HCS139DMSR	5962R9580401VEC
HCS139KMSR	5962R9580401VXC
HCS151KMSR	5962R9572801VXC
HCS154DMSR	5962R9572901VJC
HCS154KMSR	5962R9572901VXC
HCS161DMSR	5962R9573001VEC
HCS161KMSR	5962R9573001VXC
HCS163DMSR	5962R9580701VEC
HCS163KMSR	5962R9580701VXC
HCS164DMSR	5962R9578501VCC
HCS164KMSR	5962R9578501VXC
HCS166DMSR	5962R9578701VEC
HCS166KMSR	5962R9578701VXC
HCS240DMSR	5962R9580901VRC
HCS240KMSR	5962R9580901VXC
HCS245DMSR	5962R9679701VRC
HCS245KMSR	5962R9679701VXC
HCS273DMSR	5962R9579101VRC
HCS273KMSR	5962R9579101VXC
HCS27DMSR	5962R9578001VCC
HCS27KMSR	5962R9578001VXC
HCS32DMSR	5962R9578101VCC
HCS32KMSR	5962R9578101VXC
HCS373DMSR	5962R9579201VRC

SMD Cross Reference (Continued)

Mkt. Number	SMD Number
HCS373KMSR	5962R9579201VXC
HCS374DMSR	5962R9579301VRC
HCS374KMSR	5962R9579301VXC
HCS573KMSR	5962R9579401VXC
HCS86DMSR	5962R9578301VCC
HCS86KMSR	5962R9578301VXC
HCTS00DMSR	5962R9563701VCC
HCTS00KMSR	5962R9563701VXC
HCTS04DMSR	5962R9573201VCC
HCTS04KMSR	5962R9573201VXC
HCTS08DMSR	5962R9568301VCC
HCTS08KMSR	5962R9568301VXC
HCTS138DMSR	5962R9574001VEC
HCTS138KMSR	5962R9574001VXC
HCTS139DMSR	5962R9575301VEC
HCTS139KMSR	5962R9575301VXC
HCTS153KMSR	5962R9575401VXC
HCTS157DMSR	5962R9575501VEC
HCTS157KMSR	5962R9575501VXC
HCTS164DMSR	5962R9566301VCC
HCTS164KMSR	5962R9566301VXC
HCTS191DMSR	5962R9575601VEC
HCTS191KMSR	5962R9575601VXC
HCTS193KMSR	5962R9575701VXC
HCTS20KMSR	5962R9573301VXC
HCTS240ADMSR	5962R9577201VRC
HCTS240AKMSR	5962R9577201VXC
HCTS245DMSR	5962R9574501VRC
HCTS245KMSR	5962R9574501VXC
HCTS283DMSR	5962R9577401VEC
HCTS283KMSR	5962R9577401VXC
HCTS299KMSR	5962R9574601VXC
HCTS30DMSR	5962R9573501VCC
HCTS30KMSR	5962R9573501VXC
HCTS32DMSR	5962R9573601VCC
HCTS32KMSR	5962R9573601VXC
HCTS393KMSR	5962R9575001VXC

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SMD Cross Reference (Continued)

Mkt. Number	SMD Number
HCTS540KMSR	5962R9577601VXC
HCTS541DMSR	5962R9575101VRC
HCTS541KMSR	5962R9575101VXC
HCTS574DMSR	5962R9575801VRC
HCTS574KMSR	5962R9575801VXC
HCTS74DMSR	5962R9576301VCC
HCTS74KMSR	5962R9576301VXC
HCTS85DMSR	5962R9576801VEC
HS1-139RH-8	5962F9861301QCC
HS1-139RH-Q	5962F9861301VCC
HS1-1825ARH-8	5962F9955801QEC
HS1-1825ARH-Q	5962F9955801VEC
HS1-1840ARH-8	5962F9563002QXC
HS1-1840ARH-Q	5962F9563002VXC
HS1-201HSRH-8	5962F9961801QEC
HS1-201HSRH-Q	5962F9961801VEC
HS1-246RH-8	5962R9672301QCC
HS1-246RH-Q	5962R9672301VCC
HS1-248RH-8	5962R9672302QCC
HS1-248RH-Q	5962R9672302VCC
HS1-26C31RH-8	5962F9666301QEC
HS1-26C31RH-Q	5962F9666301VEC
HS1-26C32RH-8	5962F9568901QEC
HS1-26C32RH-Q	5962F9568901VEC
HS1-26CLV31RH-8	5962F966302QEC
HS1-26CLV31RH-Q	5962F9666302VEC
HS1-26CLV32RH-8	5962F9568902QEC
HS1-26CLV32RH-Q	5962F9568902VEC
HS1-26CT31RH-8	5962F9563201QEC
HS1-26CT31RH-Q	5962F9563201VEC
HS1-26CT31RH-T	5962R9563201TEC
HS1-26CT32RH-8	5962F9563101QEC
HS1-26CT32RH-Q	5962F9563101VEC
HS1-26CT32RH-T	5962R9563101TEC
HS1-302RH-8	5962R9581201QCC
HS1-302RH-Q	5962R9581201VCC
HS1-390RH-8	5962R9581303QEC

SMD Cross Reference (Continued)

Mkt. Number	SMD Number
HS1-390RH-Q	5962R9581303VEC
HS1-508BRH-8	5962F9674202QEC
HS1-508BRH-Q	5962F9674202VEC
HS1-5104ARH-Q	5962R9569001VCC
HS1-5104ARH-T	5962R9569001TCC
HS1-6664RH-8	5962F9562601QXC
HS1-6664RH-Q	5962F9562601VXC
HS1-80C86RH-8	5962R9572201QQC
HS1-80C86RH-Q	5962R9572201VQC
HS1-82C54RH-8	5962R9571301QJC
HS1-82C54RH-Q	5962R9571301VJC
HS1-82C55ARH-8	5962R9581901QQC
HS1-82C55ARH-Q	5962R9581901VQC
HS1-82C85RH-8	5962R9582001QJC
HS1-82C85RH-Q	5962R9582001VJC
HS1B-0546RH-Q	5962D9569301VXC
HS1B-0547RH-Q	5962D9569302VXC
HS1B-0548RH-Q	5962D9569401VEC
HS1B-2420RH-Q	5962R9569901VCC
HS2-117RH-8	5962F9954701QUC
HS2-117RH-Q	5962F9954701VUC
HS2-2520RH-Q	5962D9568501VGA
HS2-2700RH-Q	5962D9567002VGA
HS2-3530ARH-8	5962F9568701QGA
HS2-3530ARH-Q	5962F9568701VGA
HS4-1825ARH-8	5962F9955801Q2C
HS4-1825ARH-Q	5962F9955801V2C
HS7B-1100RH-Q	5962F9467602VPC
HS7B-1115RH-Q	5962F9678501VPC
HS7B-1135RH-Q	5962F9676701VPC
HS7B-1145RH-Q	5962F9683001VPC
HS7B-2510RH-Q	5962D9568601VPC
HS7B-2520RH-Q	5962D9568501VPC
HS7B-2622RH-Q	5962D9568802VPC
HS9-139RH-8	5962F9861301QXC
HS9-139RH-Q	5962F9861301VXC
HS9-1825ARH-8	5962F9955801QXC

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SMD Cross Reference (Continued)

Mkt. Number	SMD Number
HS9-1825ARH-Q	5962F9955801VXC
HS9-1840ARH-8	5962F9563002QYC
HS9-1840ARH-Q	5962F9563002VYC
HS9-201HSRH-8	5962F9961801QXC
HS9-201HSRH-Q	5962F9961801VXC
HS9-22620RH-Q	5962F9751201VXC
HS9-246RH-8	5962R9672301QXC
HS9-246RH-Q	5962R9672301VXC
HS9-248RH-8	5962R9672302QXC
HS9-248RH-Q	5962R9672302VXC
HS9-2510RH-Q	5962D9568601VXC
HS9-26C31RH-8	5962F9666301QXC
HS9-26C31RH-Q	5962F9666301VXC
HS9-26C32RH-8	5962F9568901QXC
HS9-26C32RH-Q	5962F9568901VXC
HS9-26CLV31RH-8	5962F9666302QXC
HS9-26CLV31RH-Q	5962F9666302VXC
HS9-26CLV32RH-8	5962F9568902QXC
HS9-26CLV32RH-Q	5962F9568902VXC
HS9-26CT31RH-8	5962F9563201QXC
HS9-26CT31RH-Q	5962F9563201VXC
HS9-26CT31RH-T	5962R9563201TXC
HS9-26CT32RH-8	5962F9563101QXC
HS9-26CT32RH-Q	5962F9563101VXC
HS9-26CT32RH-T	5962R9563101TXC
HS9-302RH-8	5962R9581201QXC
HS9-302RH-Q	5962R9581201VXC
HS9-3530ARH-Q	5962F9568701VXC
HS9-390RH-8	5962R9581303QYC
HS9-390RH-Q	5962R9581303VYC
HS9-4080ARH-8	5962F9961701QSC
HS9-4080ARH-Q	5962F9961701VSC
HS9-4423BRH-8	5962F9951102QXC
HS9-4423BRH-Q	5962F9951102VXC
HS9-4423RH-8	5962F9951101QXC
HS9-4423RH-Q	5962F9951101VXC
HS9-4424BRH-8	5962F9956002QXC

SMD Cross Reference (Continued)

Mkt. Number	SMD Number
HS9-4424BRH-Q	5962F9956002VXC
HS9-4424RH-8	5962F9956001QXC
HS9-4424RH-Q	5962F9956001VXC
HS9-508BRH-8	5962F9674202QXC
HS9-508BRH-Q	5962F9674202VXC
HS9-5104ARH-Q	5962R9569001VXC
HS9-5104ARH-T	5962R9569001TXC
HS9-6254RH-Q	5962F9764101VXC
HS9-6664RH-8	5962F9562601QYC
HS9-6664RH-Q	5962F9562601VYC
HS9-80C86RH-8	5962R9572201QXC
HS9-80C86RH-Q	5962R9572201VXC
HS9-82C54RH-8	5962R9571301QXC
HS9-82C54RH-Q	5962R9571301VXC
HS9-82C85RH-8	5962R9582001QXC
HS9-82C85RH-Q	5962R9582001VXC
HS9-OP470ARH-Q	5962R9853301VXC
HS9S-117RH-8	5962F9954701QXC
HS9S-117RH-Q	5962F9954701VXC
HSYE-117RH-8	5962F9954701QYC
HSYE-117RH-Q	5962F9954701VYC
IS0-2100ARH-Q	5962F9953602VXC
IS1-1825ASRH-8	5962F0251101QEC
IS1-1825ASRH-Q	5962F0251101VEC
IS1-2981RH-8	5962R0052001QVC
IS1-2981RH-Q	5962R0052001VVC
IS2-1009RH-8	5962F0052301QXC
IS2-1009RH-Q	5962F0052301VXC
IS7-1845ASRH-8	5962F0150901QPC
IS7-1845ASRH-Q	5962F0150901VPC
IS9-139ASRH-8	5962F0151001QXC
IS9-139ASRH-Q	5962F0151001VXC
IS9-1715ARH-8	5962F0052101QXC
IS9-1715ARH-Q	5962F0052101VXC
IS9-1825ASRH-8	5962F0251101QXC
IS9-1825ASRH-Q	5962F0251101VXC

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SMD Cross Reference (Continued)

Mkt. Number	SMD Number
IS9-1845ASRH-8	5962F0150901QXC
IS9-1845ASRH-Q	5962F0150901VXC
IS9-2100ARH-8	5962F9953602QXC
IS9-2100ARH-Q	5962F9953602VXC
IS9-705RH-8	5962R0053801QXC
IS9-705RH-Q	5962R0053801VXC
ISL7124SRHQF	5962F0254201QXC
ISL7124SRHVF	5962F0254201VXC
ISL72991RHQF	5962F0250301QXC
ISL72991RHVF	5962F0250301VXC
ISL72991RHVX	5962F0250301V9A
ISL74422ARHQF	5962F0152101QXC
ISL74422ARHVF	5962F0152101VXC
ISYE-1009RH-8	5962F0052301QYC
ISYE-1009RH-Q	5962F0052301VYC

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